

WTC
Drawing Book 7

Chapters 1-5

PROJECT: THE WORLD TRADE CENTER

FLOOR PANELS

REVISIONS

PRINTED
5/18/73

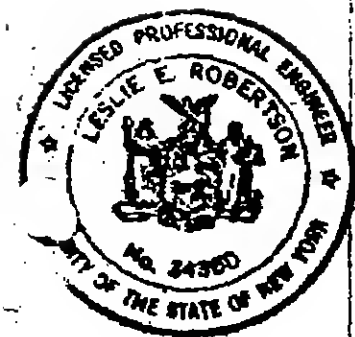
7-AB0- 0	5/18/73	7-AB2- 1	5/ 1/69	7-AB3- 29	10/ 4/68	7-AB4- 2.1	1/ 6/69	7-AB4- 28.1	7/22/68
7-AB0- 0	5/15/73	7-AB2- 2	7/22/68	7-AB3- 30	10/ 4/68	7-AB4- 2.2	1/ 6/69	7-AB4- 29	1/ 3/68
7-AB0- 0	5/5/73	7-AB2- 3	7/22/68	7-AB3- 31	10/ 4/68	7-AB4- 2.3	1/ 6/69	7-AB4- 30	4/ 1/68
7-AB1- 1	5/ 1/69	7-AB2- 4	7/22/68	7-AB3- 32	10/ 4/68	7-AB4- 2.4	1/ 6/69	7-AB4- 31	4/ 1/68
7-AB1- 2	7/22/68	7-AB2- 5	7/22/68	7-AB3- 33	10/ 4/68	7-AB4- 3	10/15/68	7-AB4- 31.1	4/ 1/68
7-AB1- 3	7/22/68	7-AB2- 6	7/22/68	7-AB3- 34	10/ 4/68	7-AB4- 3.1	1/ 3/68	7-AB4- 31.2	1/20/69
7-AB1- 4	7/22/68	7-AB2- 7	7/22/68	7-AB3- 35	10/ 4/68	7-AB4- 4	10/15/68	7-AB4- 32	4/ 1/68
7-AB1- 5	10/15/68	7-AB2- 8	7/22/68	7-AB3- 36	10/ 4/68	7-AB4- 5	7/22/68	7-AB4- 32.1	4/ 1/68
7-AB1- 6	7/22/68	7-AB2- 9	1/ 6/69	7-AB3- 37	10/ 4/68	7-AB4- 6	10/15/68	7-AB4- 33	4/ 1/68
7-AB1- 7	7/22/68	7-AB2- 10	7/22/68	7-AB3- 38	10/ 4/68	7-AB4- 7	1/ 3/68	7-AB4- 34	10/15/68
7-AB1- 8	7/22/68	7-AB2- 11	7/22/68	7-AB3- 39	10/ 4/68	7-AB4- 8	7/22/68	7-AB4- 34.1	1/20/69
7-AB1- 9	7/22/68	7-AB2- 12	10/ 4/68	7-AB3- 40	10/ 4/68	7-AB4- 9	7/22/68	7-AB4- 35	10/15/68
7-AB1- 10	7/22/68	7-AB2- 13	10/ 4/68	7-AB3- 41	1/ 6/69	7-AB4- 10	12/20/68	7-AB4- 36	10/15/68
7-AB1- 11	7/22/68	7-AB2- 14	10/ 4/68	7-AB3- 42	1/ 6/69	7-AB4- 11	7/22/68	7-AB4- 37	10/15/68
7-AB1- 12	7/22/68	7-AB2- 15	10/ 4/68	7-AB3- 43	1/ 6/69	7-AB4- 11.1	7/22/68	7-AB4- 38	10/15/68
7-AB1- 13	10/ 4/68	7-AB2- 16	1/ 6/69	7-AB3- 44	1/ 6/69	7-AB4- 11.2	7/22/68	7-AB4- 38.1	10/15/68
7-AB1- 14	10/ 4/68	7-AB2- 17	10/ 4/68	7-AB3- 45	1/ 6/69	7-AB4- 11.3	7/22/68	7-AB4- 38.2	10/15/68
7-AB1- 15	10/ 4/68	7-AB2- 18	10/ 4/68	7-AB3- 46	1/ 6/69	7-AB4- 12	7/22/68	7-AB4- 38.3	1/20/69
7-AB1- 16	10/ 4/68	7-AB2- 19	1/ 6/69	7-AB3- 47	1/ 6/69	7-AB4- 13	7/22/68	7-AB4- 39	7/22/68
7-AB1- 17	10/ 4/68	7-AB2- 20	1/ 6/69	7-AB3- 48	1/ 6/69	7-AB4- 13.1	7/22/68	7-AB4- 40	7/22/68
7-AB1- 18	10/ 4/68			7-AB3- 49	1/ 6/69	7-AB4- 13.2	10/15/68	7-AB4- 41	7/22/68
7-AB1- 19	10/ 4/68			7-AB3- 50	1/ 6/69	7-AB4- 14	10/15/68	7-AB4- 41.1	7/22/68
7-AB1- 20	10/ 4/68	7-AB3- 1	5/ 1/69	7-AB3- 51	1/ 6/69	7-AB4- 14.1	10/15/68	7-AB4- 42	10/15/68
7-AB1- 21	10/ 4/68	7-AB3- 2	1/ 3/68	7-AB3- 52	1/ 6/69	7-AB4- 15	7/22/68	7-AB4- 42.1	10/15/68
7-AB1- 22	10/ 4/68	7-AB3- 3	10/15/68	7-AB3- 53	1/ 6/69	7-AB4- 15.1	10/ 4/68	7-AB4- 43	7/22/68
7-AB1- 23	10/ 4/68	7-AB3- 4	10/15/68	7-AB3- 54	1/ 6/69	7-AB4- 15.2	10/ 4/68	7-AB4- 44	1/ 3/68
7-AB1- 24	1/ 5/69	7-AB3- 5	10/15/68	7-AB3- 55	1/ 6/69	7-AB4- 16	7/22/68	7-AB4- 45	12/20/68
7-AB1- 25	1/ 6/69	7-AB3- 6	10/15/68	7-AB3- 56	1/ 6/69	7-AB4- 17	10/ 4/68	7-AB4- 45.1	11/25/68
7-AB1- 26	1/ 6/69	7-AB3- 7	10/15/68	7-AB3- 57	1/ 6/69	7-AB4- 17.1	10/ 4/68	7-AB4- 46	10/15/68
7-AB1- 27	1/ 6/69	7-AB3- 8	10/15/68	7-AB3- 58	1/ 6/69	7-AB4- 17.2	12/20/68	7-AB4- 46.1	7/22/68
7-AB1- 28	1/ 6/69	7-AB3- 9	10/15/68	7-AB3- 59	1/ 6/69	7-AB4- 17.3	7/28/70	7-AB4- 47	7/22/68
7-AB1- 29	1/ 6/69	7-AB3- 10	10/15/68	7-AB3- 60	1/ 5/69	7-AB4- 17.4	10/ 4/68	7-AB4- 47.1	10/15/68
7-AB1- 30	1/ 6/69	7-AB3- 11	10/15/68	7-AB3- 61	1/ 6/69	7-AB4- 17.5	10/ 4/68	7-AB4- 48	1/ 3/68
7-AB1- 31	1/ 6/69	7-AB3- 12	10/15/68	7-AB3- 62	1/20/69	7-AB4- 17.6	10/ 4/68	7-AB4- 49	7/22/68
7-AB1- 32	1/ 6/69	7-AB3- 13	10/15/68	7-AB3- 63	1/20/69	7-AB4- 17.7	10/ 4/68	7-AB4- 49.1	10/15/68
7-AB1- 33	1/ 6/69	7-AB3- 14	10/15/68	7-AB3- 70	11/25/68	7-AB4- 17.8	8/15/68	7-AB4- 49.2	10/ 4/68
7-AB1- 34	1/ 6/69	7-AB3- 15	7/22/68	7-AB3- 71	11/25/68	7-AB4- 18	1/ 6/69	7-AB4- 50	8/ 1/68
7-AB1- 35	1/ 6/69	7-AB3- 16	7/22/68	7-AB3- 72	11/25/68	7-AB4- 18.1	7/22/68	7-AB4- 51	8/ 1/68
7-AB1- 36	1/ 6/69	7-AB3- 17	7/22/68	7-AB3- 73	11/25/68	7-AB4- 18.2	7/22/68	7-AB4- 52	8/ 1/68
7-AB1- 44	11/25/68	7-AB3- 18	7/22/68	7-AB3- 74	11/25/68	7-AB4- 18.3	12/20/68	7-AB4- 53	10/ 4/68
7-AB1- 45	11/25/68	7-AB3- 19	7/22/68	7-AB3- 75	11/25/68	7-AB4- 18.4	10/ 4/68	7-AB4- 54	10/ 4/68
7-AB1- 46	11/25/68	7-AB3- 20	7/22/68	7-AB3- 76	11/25/68	7-AB4- 18.5	1/ 6/69	7-AB4- 55	10/ 4/68
7-AB1- 47	11/25/68	7-AB3- 21	7/22/68	7-AB3- 77	1/ 5/69	7-AB4- 19	12/20/68	7-AB4- 56	10/ 4/68
7-AB1- 48	1/ 6/69	7-AB3- 22	7/22/68	7-AB3- 78	1/ 6/69	7-AB4- 21	1/ 6/69	7-AB4- 57	10/ 4/68
7-AB1- 52	2/15/68	7-AB3- 23	7/22/68	7-AB3- 79	10/15/68	7-AB4- 22	1/ 6/69	7-AB4- 58	10/ 4/68
7-AB1- 53	7/22/68	7-AB3- 24	8/15/68	7-AB3- 80	10/15/68	7-AB4- 22.1	7/22/68	7-AB4- 59	10/ 4/68
7-AB1- 54	1/ 6/69	7-AB3- 25	10/ 4/68			7-AB4- 23	7/22/68	7-AB4- 60	7/28/70
7-AB1- 55	10/15/68	7-AB3- 26	10/ 4/68			7-AB4- 24	10/15/68	7-AB4- 61	10/ 4/68
		7-AB3- 27	10/ 4/68	7-AB4- 1	5/ 1/69	7-AB4- 25	7/22/68	7-AB4- 62	1/ 6/69
		7-AB3- 28	10/ 4/68	7-AB4- 2	1/ 6/69	7-AB4- 28	7/22/68		



REVISIONS

PRINTED
5/18/73

7- 86	VOID	7- 88- 4.1	3/19/69	7- 88-13.3	7/14/69
		7- 88- 4.2	3/19/69	7- 88-14.1	3/19/69
		7- 88- 4.3	3/19/69	7- 88-15.1	3/19/69
7- 87- 1	5/ 1/69	7- 88- 4.4	3/19/69	7- 88-15.2	3/19/69
7- 87- 2	3/19/69	7- 88- 5.1	3/19/69	7- 88-16.1	3/19/69
7- 87- 3	3/19/69	7- 88- 5.2	3/19/69		
7- 87- 4	3/19/69	7- 88- 5.3	3/19/69		
7- 87- 5	3/19/69	7- 88- 6.1	3/19/69		
7- 87- 6.1	3/19/69	7- 88- 6.2	3/19/69		
7- 87- 6.2	3/19/69	7- 88- 7.1	3/19/69		
7- 87- 7	3/19/69	7- 88- 7.2	3/19/69		
7- 87- 8	3/19/69	7- 88- 7.3	3/19/69		
7- 87- 9	3/19/69	7- 88- 8.1	3/19/69		
7- 87-10	3/19/69	7- 88- 8.2	3/19/69		
7- 87-11	3/19/69	7- 88- 8.3	3/19/69		
7- 87-12	3/19/69	7- 88- 8.4	3/19/69		
7- 87-13	3/19/69	7- 88- 8.5	3/19/69		
7- 87-14	3/19/69	7- 88- 8.6	3/19/69		
7- 87-15	3/19/69	7- 88- 8.7	3/19/69		
7- 87-16	3/19/69	7- 88- 8.8	3/19/69		
7- 87-17	3/19/69	7- 88- 8.9	3/19/69		
7- 87-18	3/19/69	7- 88- 8.10	3/19/69		
7- 87-19	3/19/69	7- 88- 8.11	3/19/69		
7- 87-20	7/14/69	7- 88- 8.12	3/19/69		
7- 87-21	3/19/69	7- 88- 8.13	3/19/69		
7- 87-22	3/19/69	7- 88- 8.14	3/19/69		
7- 87-23	3/19/69	7- 88- 8.15	3/19/69		
7- 87-24	3/19/69	7- 88- 8.16	3/19/69		
7- 87-25	3/19/69	7- 88- 8.17	3/19/69		
7- 87-26	5/13/69	7- 88- 8.18	3/19/69		
		7- 88- 8.19	7/14/69		
		7- 88- 8.20	7/14/69		
7- 88- 1	5/ 1/69	7- 88- 9.1	3/19/69		
7- 88- 2	3/19/69	7- 88-10.1	3/19/69		
7- 88- 3.1	3/19/69	7- 88-10.2	3/19/69		
7- 88- 3.2	3/19/69	7- 88-10.3	3/19/69		
7- 88- 3.3	3/19/69	7- 88-10.4	3/19/69		
7- 88- 3.4	3/19/69	7- 88-10.5	3/19/69		
7- 88- 3.5	3/19/69	7- 88-10.6	3/19/69		
7- 88- 3.6	3/19/69	7- 88-10.7	3/19/69		
7- 88- 3.7	3/19/69	7- 88-10.8	3/19/69		
7- 88- 3.8	3/19/69	7- 88-10.9	3/19/69		
7- 88- 3.9	3/19/69	7- 88-11	NCT USED		
7- 88- 3.10	3/19/69	7- 88-12.1	3/19/69		
7- 88- 3.11	3/19/69	7- 88-12.2	3/19/69		
7- 88- 3.12	3/19/69	7- 88-12.3	3/19/69		
7- 88- 3.13	3/19/69	7- 88-12.4	7/14/69		
7- 88- 3.14	3/19/69	7- 88-12.5	3/19/69		
7- 88- 3.15	3/19/69	7- 88-13.1	3/19/69		
7- 88- 3.16	3/19/69	7- 88-13.2	7/14/69		



PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR PANELS

DATE

10/25/73

REVISIONS

PRINTED

5/18/73

7-AB5-	1	5/ 1/69
7-AB5-	2	11/24/67
7-AB5-	3	6/17/68
7-AB5-	3.1	6/17/68
7-AB5-	3.2	6/17/68
7-AB5-	4	10/11/68
7-AB5-	4.1	10/18/67
7-AB5-	5	6/17/68
7-AB5-	6	6/17/68
7-AB5-	7	6/17/68
7-AB5-	8	6/17/68
7-AB5-	8.1	6/17/68
7-AB5-	8.2	6/17/68
7-AB5-	9	6/17/68
7-AB5-	10	6/17/68
7-AB5-	11	6/17/68
7-AB5-	12	6/17/68
7-AB5-	13	6/17/68
7-AB5-	14	6/17/68
7-AB5-	15	6/17/68
7-AB5-	16	11/24/67
7-AB5-	17	6/17/68
7-AB5-	18	6/17/68
7-AB5-	19	6/17/68
7-AB5-	20	3/28/69
7-AB5-	21	9/ 8/70
7-AB5-	22	9/ 8/70

2-C/1	5/29/69
2-C/2	6/13/69
7-C/1	5/13/69
7-C/2	6/13/69
8-C/1	5/14/69
8-C/2	6/13/69
9-C/1	5/20/69
9-C/2	6/13/69
10-C/1	5/14/69
10-C/2	6/13/69
11-C/1	5/14/69
11-C/2	6/13/69

FOUND IN DWG Book 1



7-ABC-C.1

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSSES-INDEX & GENERAL NOTES

DATE 10-20-67

REVISIONS

1-3-68

1-26-68

2-15-68

4-1-68

1-3-69

1-6-69

2-3-69

3-3-69

4-1-69

Printed 5-1-69

7-AB1- 1 Floor Trusses Index & General Notes
 7-AB1- 2 Floor Truss 32T1
 7-AB1- 3 Floor Truss 32T2
 7-AB1- 4 Floor Truss 32T7
 7-AB1- 5 Floor Truss 32T8
 7-AB1- 6 Floor Truss 32T3
 7-AB1- 7 Floor Truss 32T9
 7-AB1- 8 Floor Truss 32T10
 7-AB1- 9 Floor Truss 32T11
 7-AB1-10 Floor Truss 32T4
 7-AB1-11 Floor Truss 32T5 & 32T12
 7-AB1-12 Floor Truss 32T13, 32T6
 7-AB1-13 Floor Truss 32T14
 7-AB1-14 Floor Truss 32T15
 7-AB1-15 Floor Truss 32T16
 7-AB1-16 Floor Truss 32T17
 7-AB1-17 Floor Truss 32T18
 7-AB1-18 Floor Truss 32T19
 7-AB1-19 Floor Truss 32T20
 7-AB1-20 Floor Truss 32T21
 7-AB1-21 Floor Truss 32T22
 7-AB1-22 Floor Truss 32T23, 32T24
 7-AB1-23 Floor Truss 32T25, 32T26
 7-AB1-24 Floor Truss 32T27
 7-AB1-25 Floor Truss 32T28
 7-AB1-26 Floor Truss 32T29
 7-AB1-27 Floor Truss 32T30
 7-AB1-28 Floor Truss 32T31
 7-AB1-29 Floor Truss 32T32
 7-AB1-30 Floor Truss 32T33
 7-AB1-31 Floor Truss 32T34
 7-AB1-32 Floor Truss 32T36
 7-AB1-33 Floor Truss 32T37
 7-AB1-34 Floor Truss 32T38
 7-AB1-35 Floor Truss 32T39
 7-AB1-36 Floor Truss 32T40
 7-AB1-44 Floor Truss 32T49
 7-AB1-45 Floor Truss 32T50
 7-AB1-46 Floor Truss 32T51
 7-AB1-47 Floor Truss 32T52
 7-AB1-48 Floor Truss 32T53, 32T35
 7-AB1-52 Typical Details
 7-AB1-53 Typical Details
 7-AB1-54 Floor Trusses - Cambers
 7-AB1-55 Floor Trusses - Section A-A & B-B

GENERAL NOTES:

1. All material, including detail material not shown on these drawings to be $F_y = 50$ unless otherwise noted.
2. All floor truss angles have short legs vertical.
3. Horizontal shear forces between truss panel points and the composite concrete slab are indicated [] in the truss elevations. Where no shear force is given, the connection shall be proportioned for a force of 7 Kips (7). See Drawing 7-AB2-1 for additional notes for additional shear forces at trusses C32 and 24T.
4. Shear transfer connections and devices shall be proportioned for the indicated horizontal shear force [] acting simultaneously with the horizontal shear force requirements indicated in the drawings for 24T trusses. Such connections and devices shall be proportioned for shear forces from C32 & 24T trusses of both positive sign and of negative sign.
5. Contractor shall supply representative calculations and/or test results for each connection proportioned by the Contractor. All connections, details and the like are subject to approval by the Engineer.
6. End reactions of each truss are indicated in truss elevations as "R = ". Where no force is given, end connections shall be proportioned for a minimum reaction of 9 Kips (R = 9).
7. Truss shear, indicating minimum requirements for each truss web member, is tabulated across the bottom of the truss elevations. Where no shear is given, web members and their connections shall be proportioned for a minimum shear of 4.5 Kips.
8. All 32T trusses shall be cambered to a parabolic camber symmetrical about mid-span. Camber diagrams indicate required camber at mid-span.
9. Chord stresses are indicated in truss elevations as "P = ". Where no force is given each truss chord splice connection shall be proportioned for a minimum force of 23 Kips (P = 23).

Vertical shear forces between adjacent panels are indicated in truss elevations as "V = ". Where no force is given, shear transfer connection shall be proportioned for a minimum force of 5 Kips (V = 5). Connections shall be proportioned for a shear force of both positive sign and negative sign.



DESIGNED

DRAWN

REVIEWED

7-AB1-1

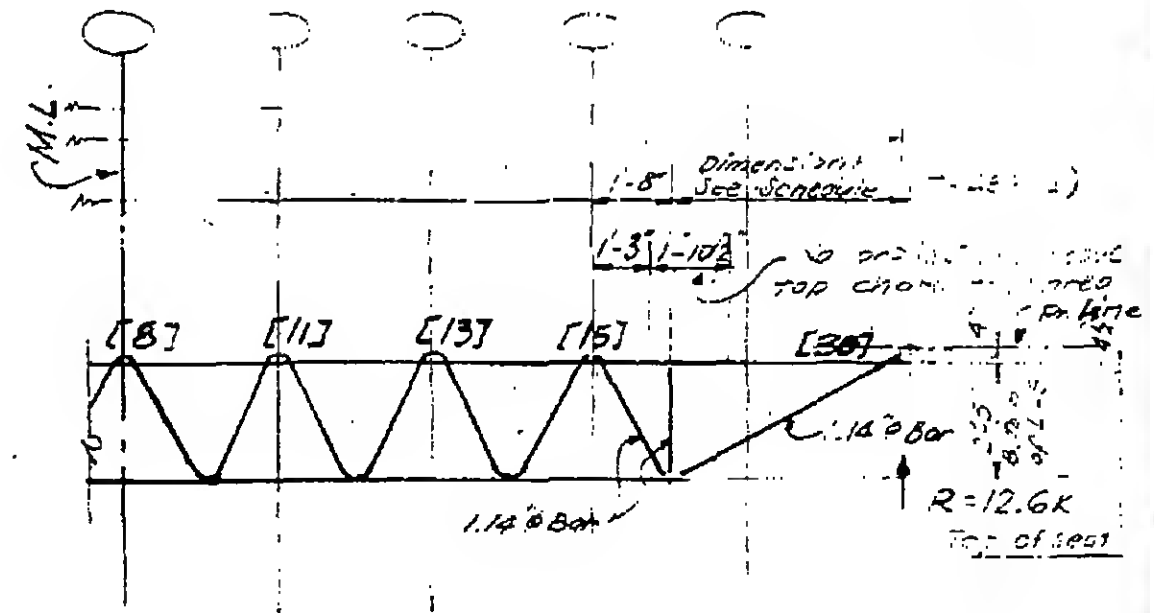
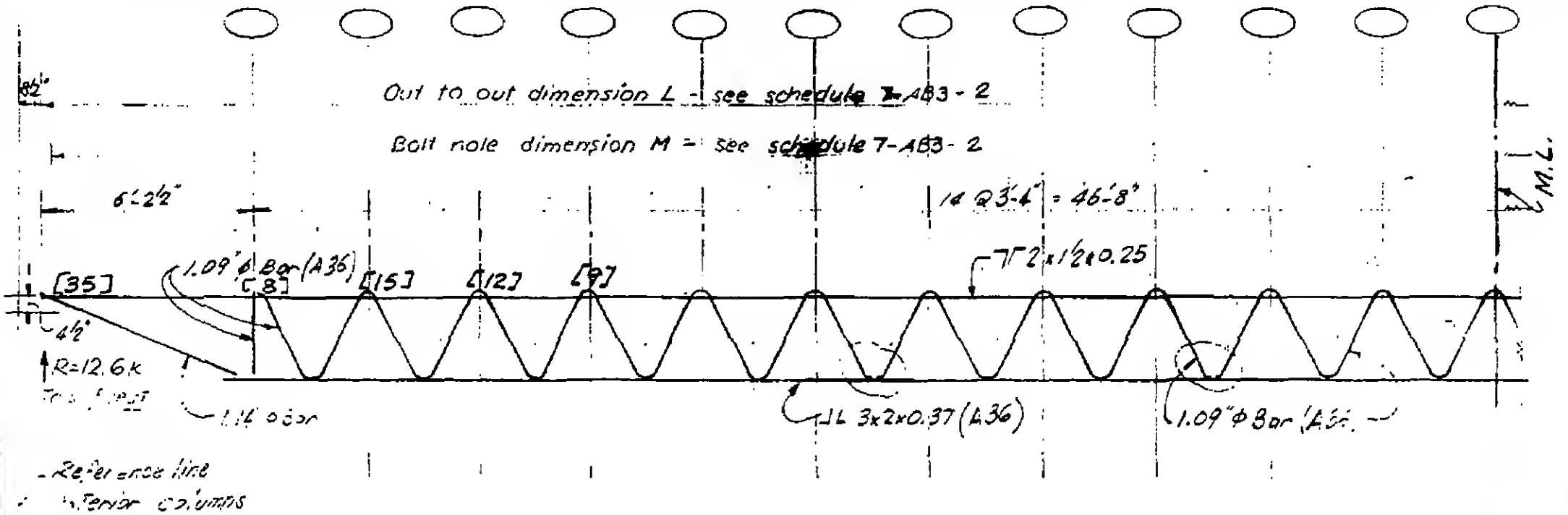
REVISIONS

1-3-68

1-26-68

2-15-68

7-22-68

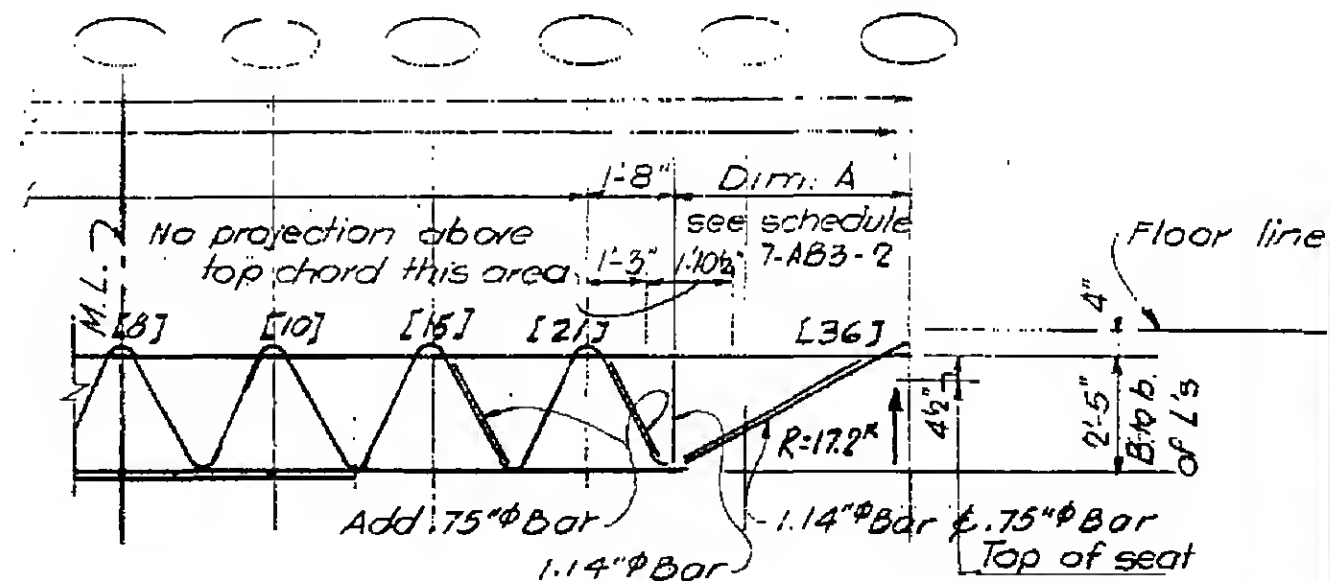
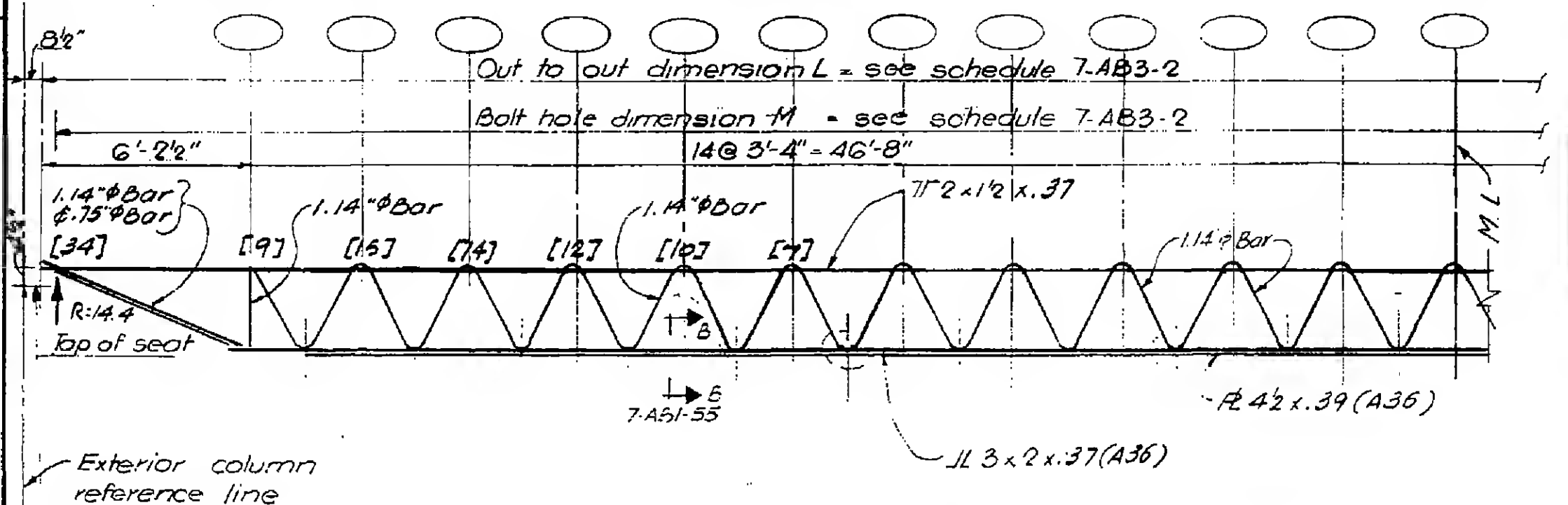


Elevation C32T1

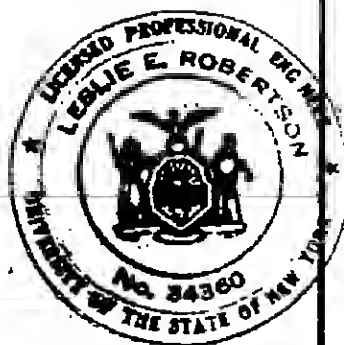


REVISIONS

1-26-68
4-15-68
7-22-68



Elevation C32T2



7-ABI-3

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

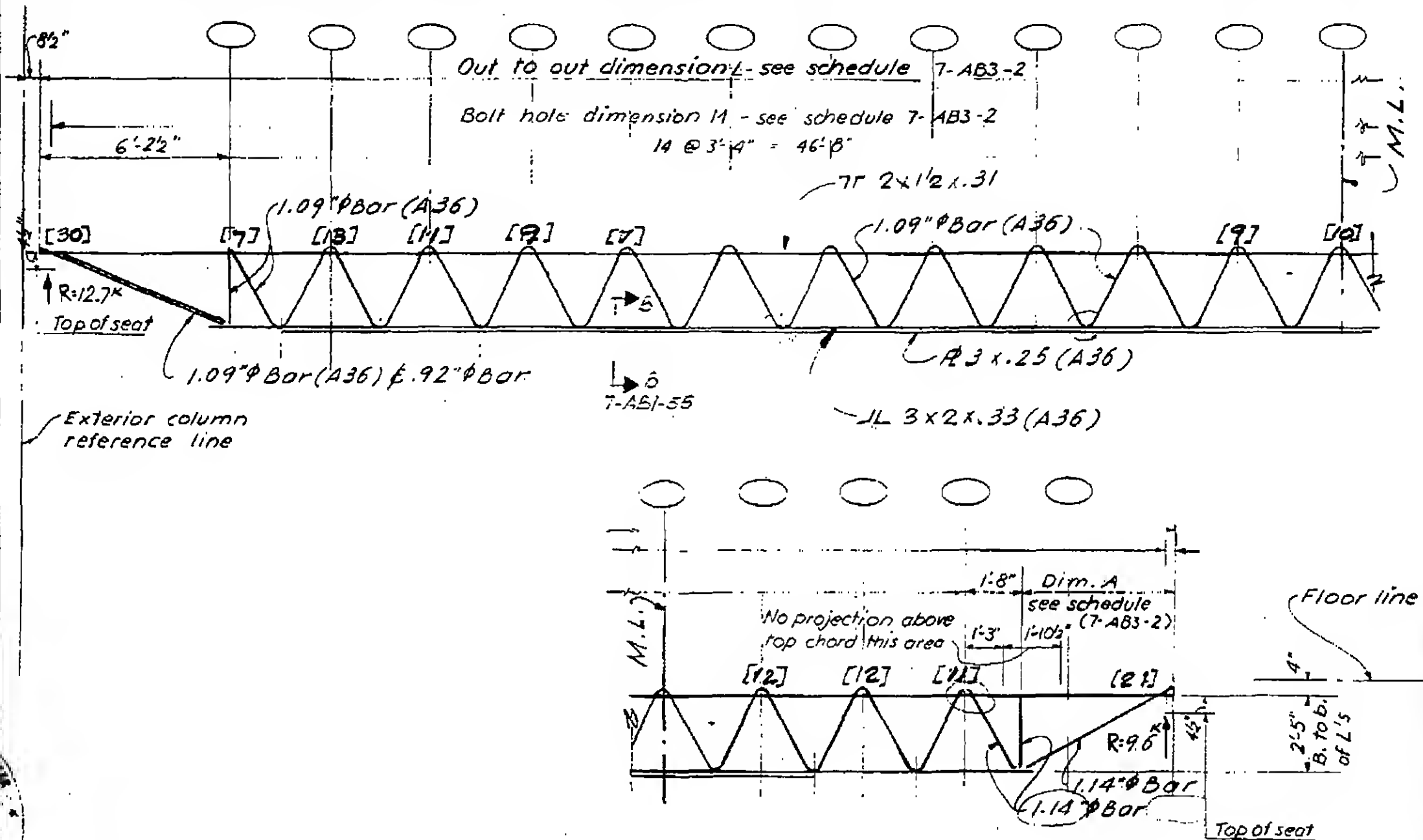
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32T.7.

DATE 1-3-68

REVISIONS

1-26-68
4-1-68
4-15-68
7-22-68



Elevation C32T.7.



7-AB1-4

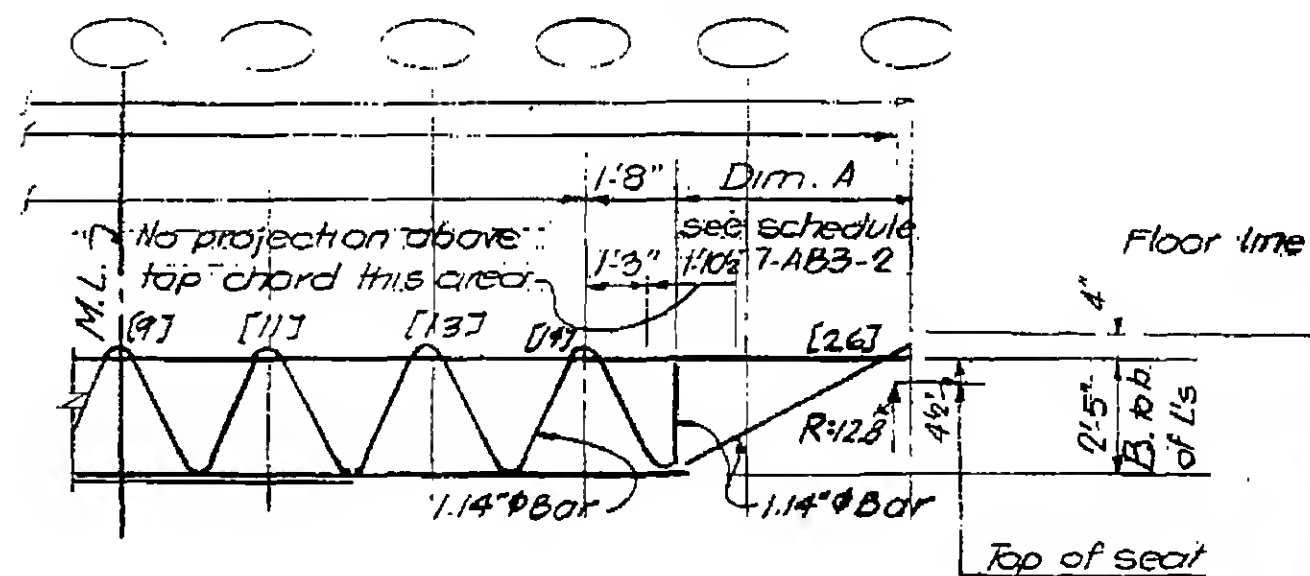
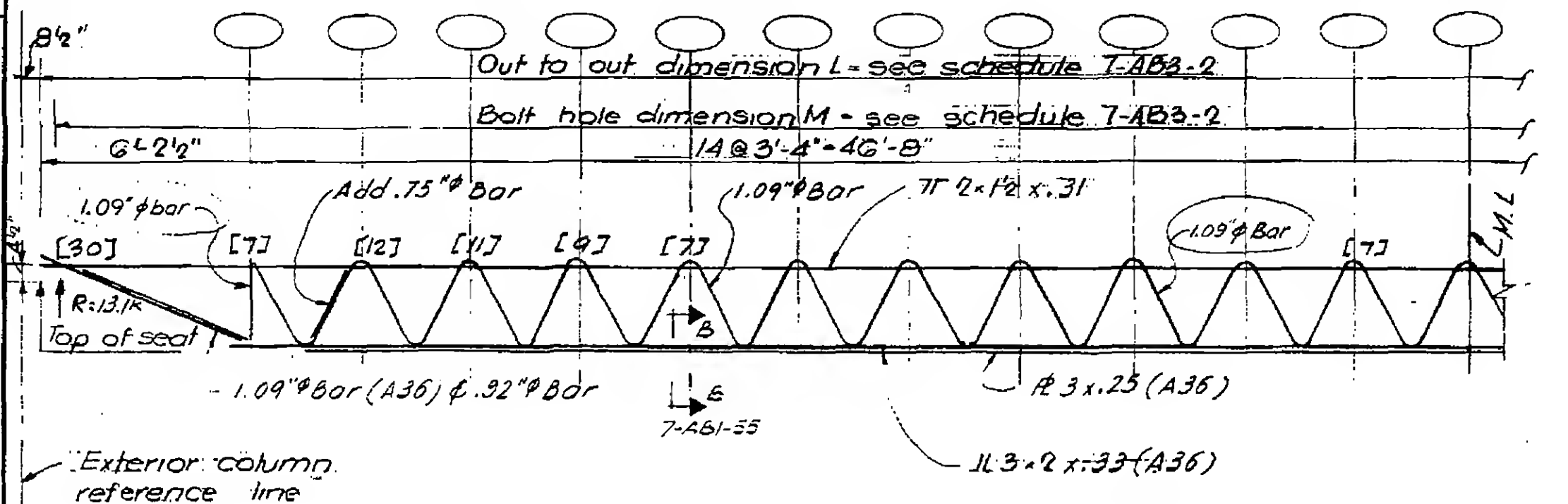
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32T8

DATE 1-3-68

REVISIONS

1-26-68
4-1-68
4-15-68
7-22-68
10-15-68



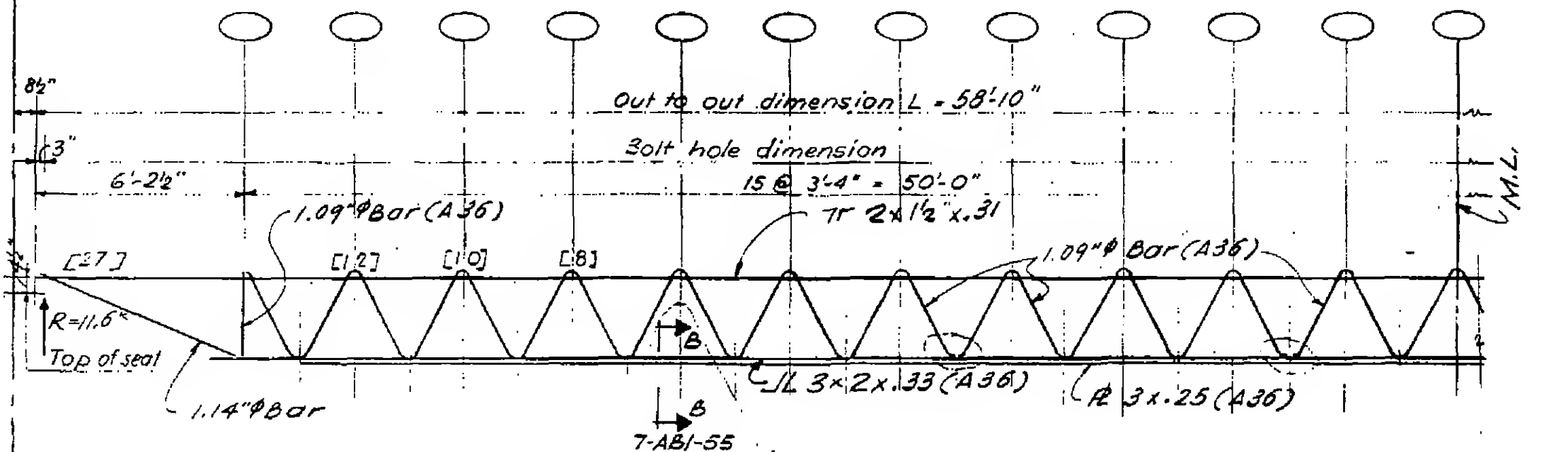
Elevation C32T8



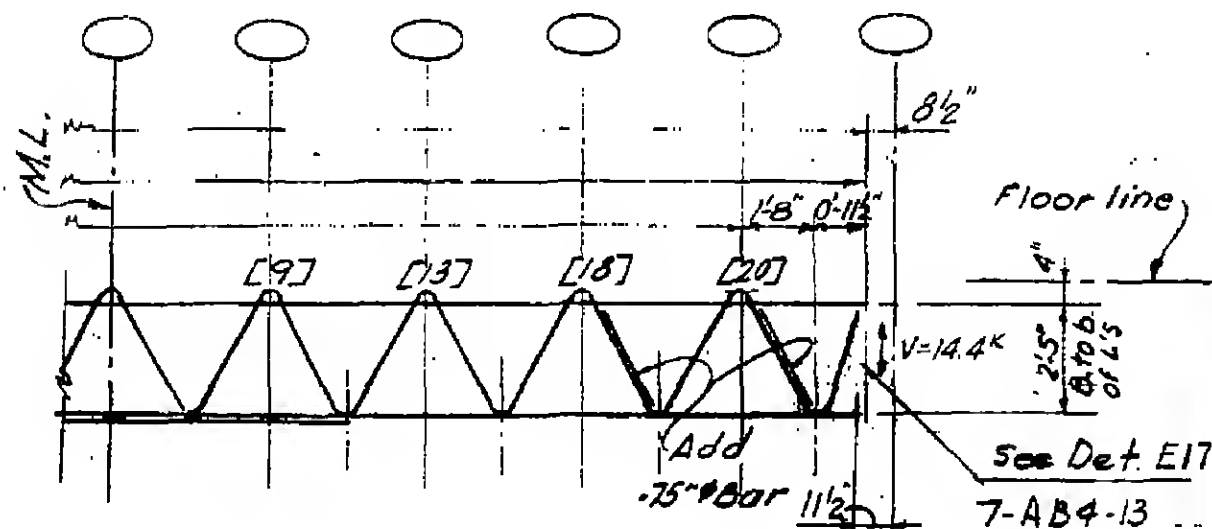
7-AB1-5

REVISIONS

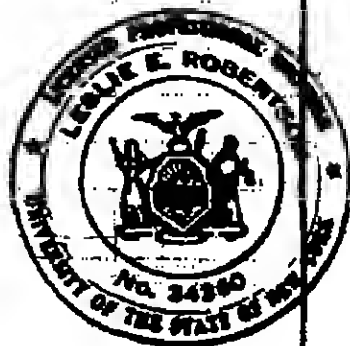
1-26-68
4-15-68
5-10-68
7-22-68



Exterior columns
ref. line



Elevation C32T3



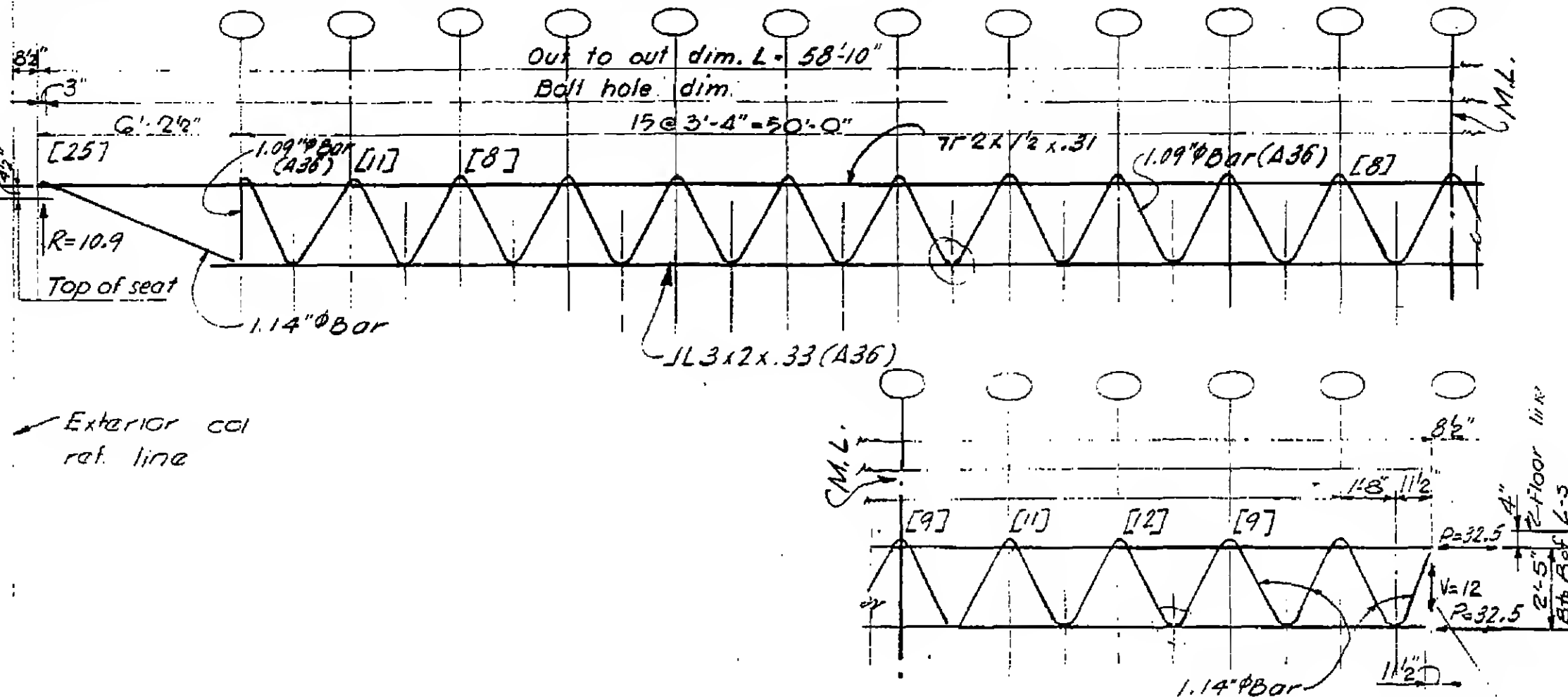
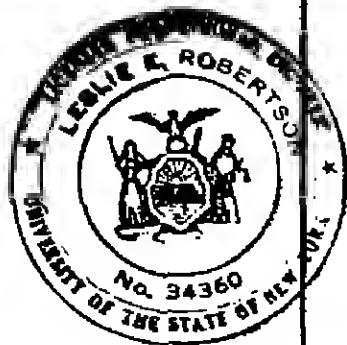
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32 T9

DATE 1-3-68

REVISIONS

1-26-68
4-1-68
4-15-68
5-10-68
7-22-68

Elevation C32 T9

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32T10

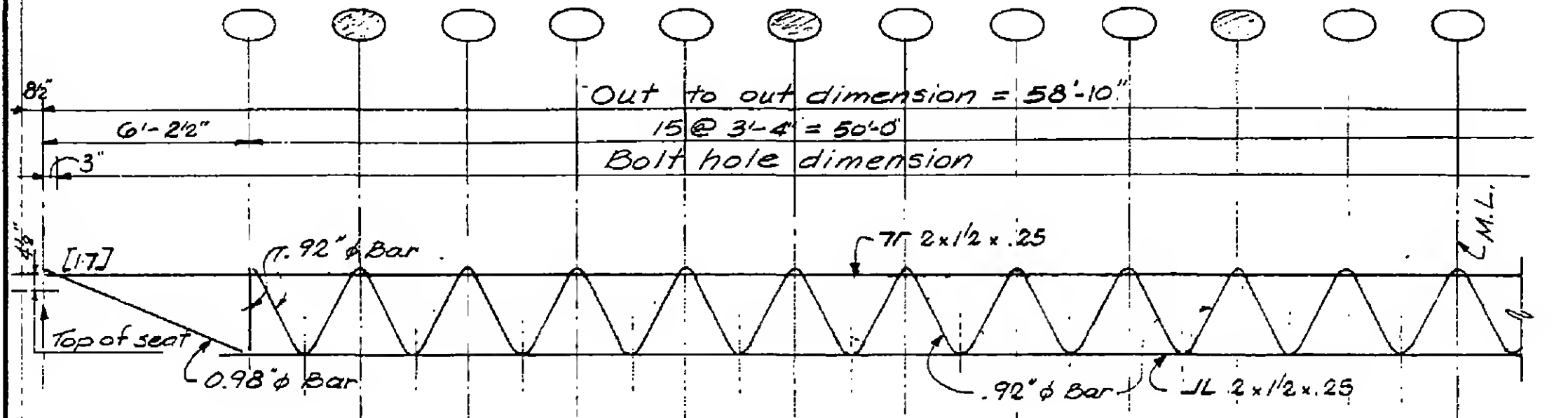
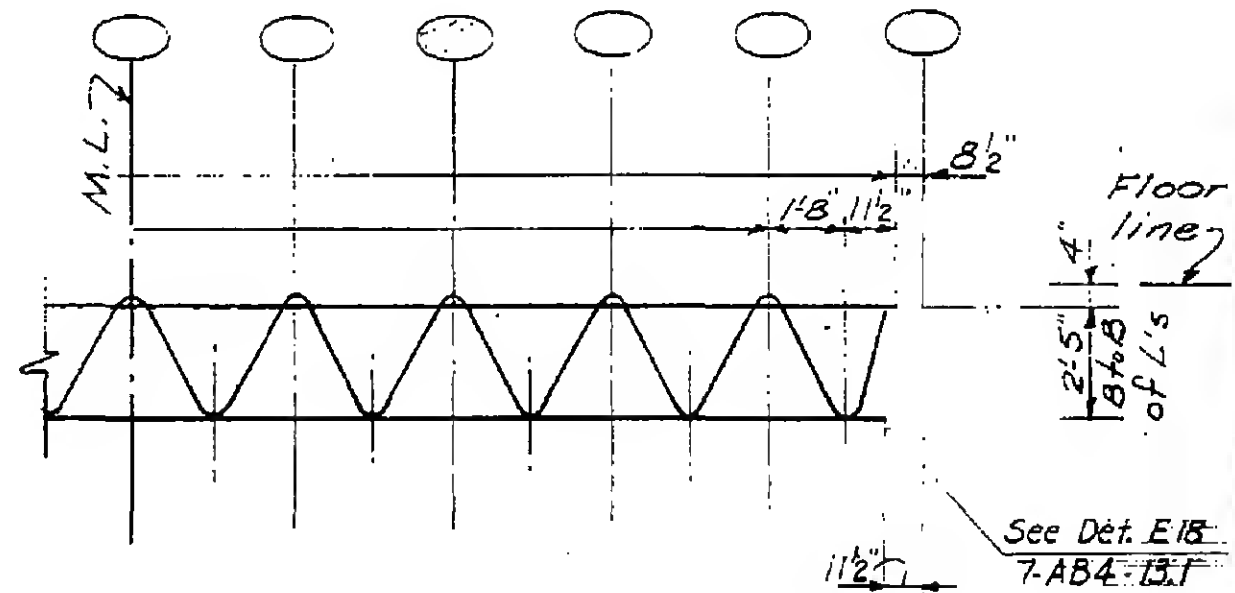
DATE 1-26-68

REVISIONS

4-1-68

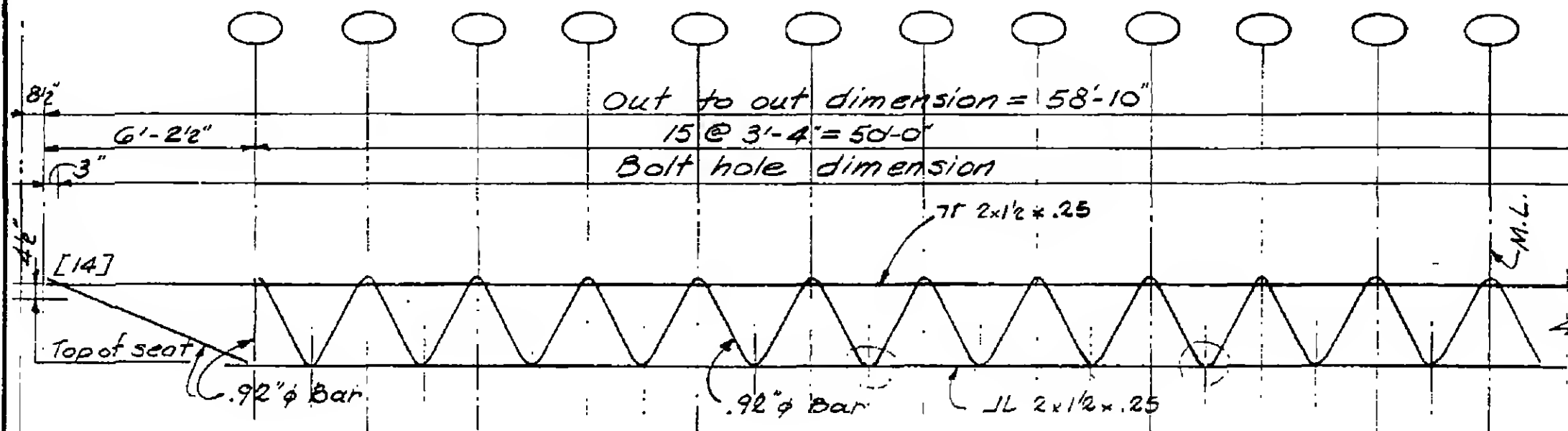
5-10-68

7-22-68

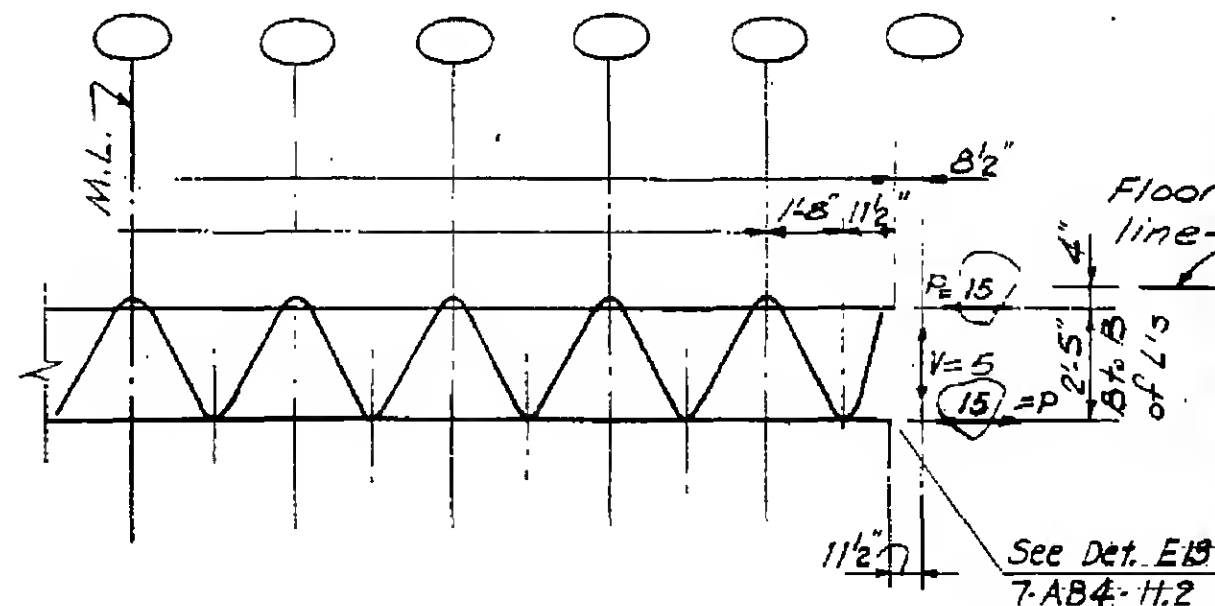
Exterior columns
ref. lineElevation C32T10

REVISIONS

4-1-68
5-10-68
7-22-68



- Exterior columns
ref. line



Elevation C32T11.



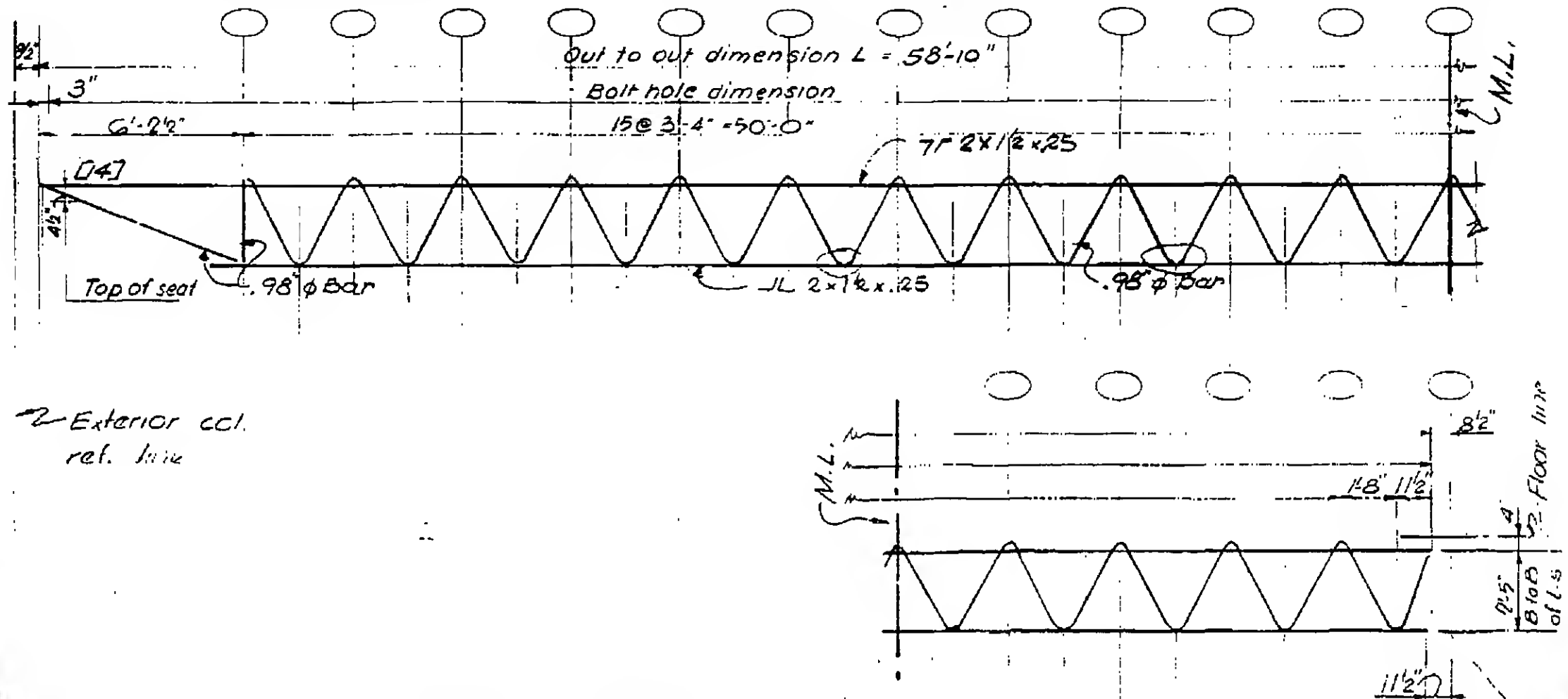
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32T4

DATE 1-3-68

REVISIONS

1-26-68
4-1-68
5-10-68
7-22-68

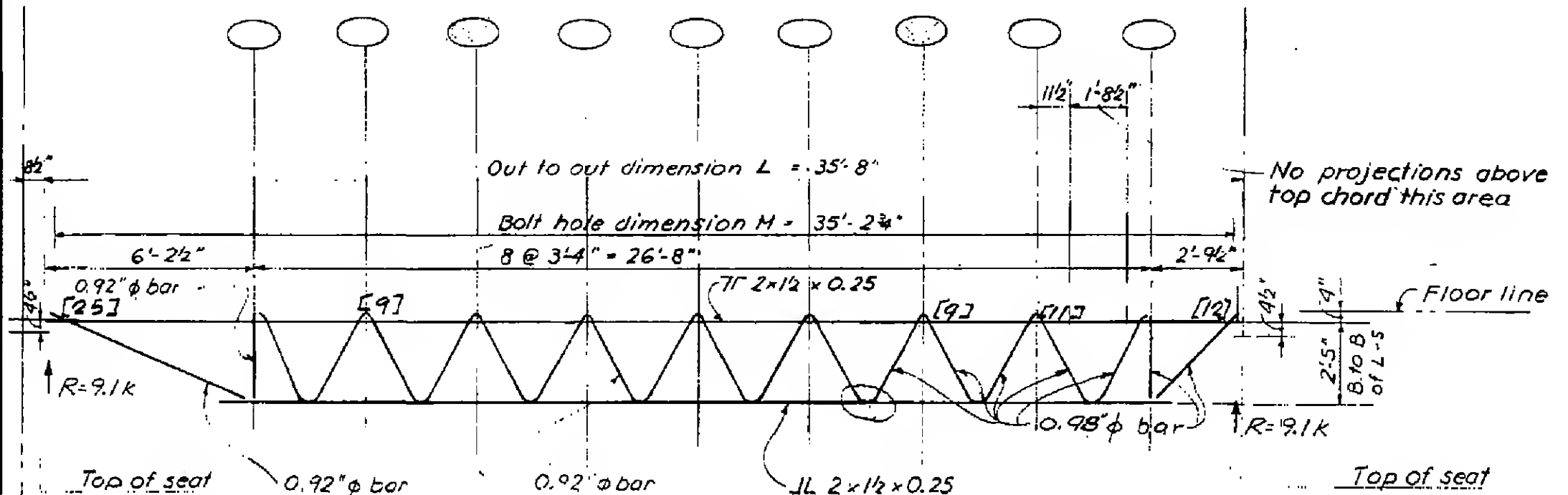
Elevation C32T4

See Det. E16
7-AB4-12

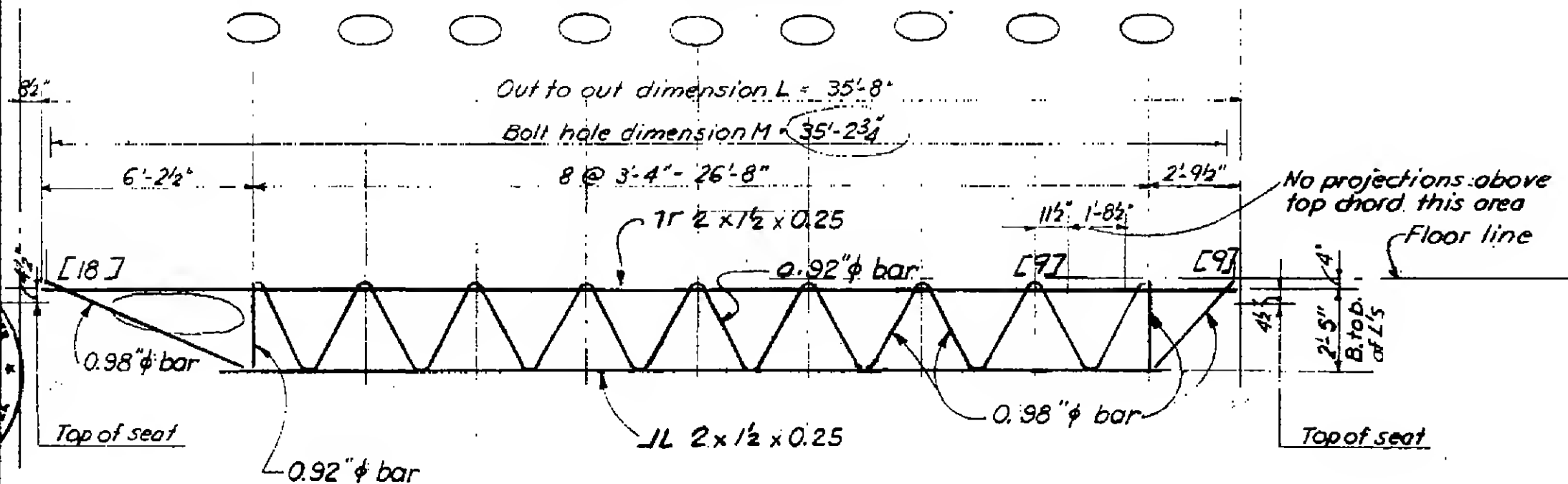


REVISIONS

1-3-68
1-26-68
2-15-68
4-1-68
7-22-68



Elevation C32T5



Elevation C32T12



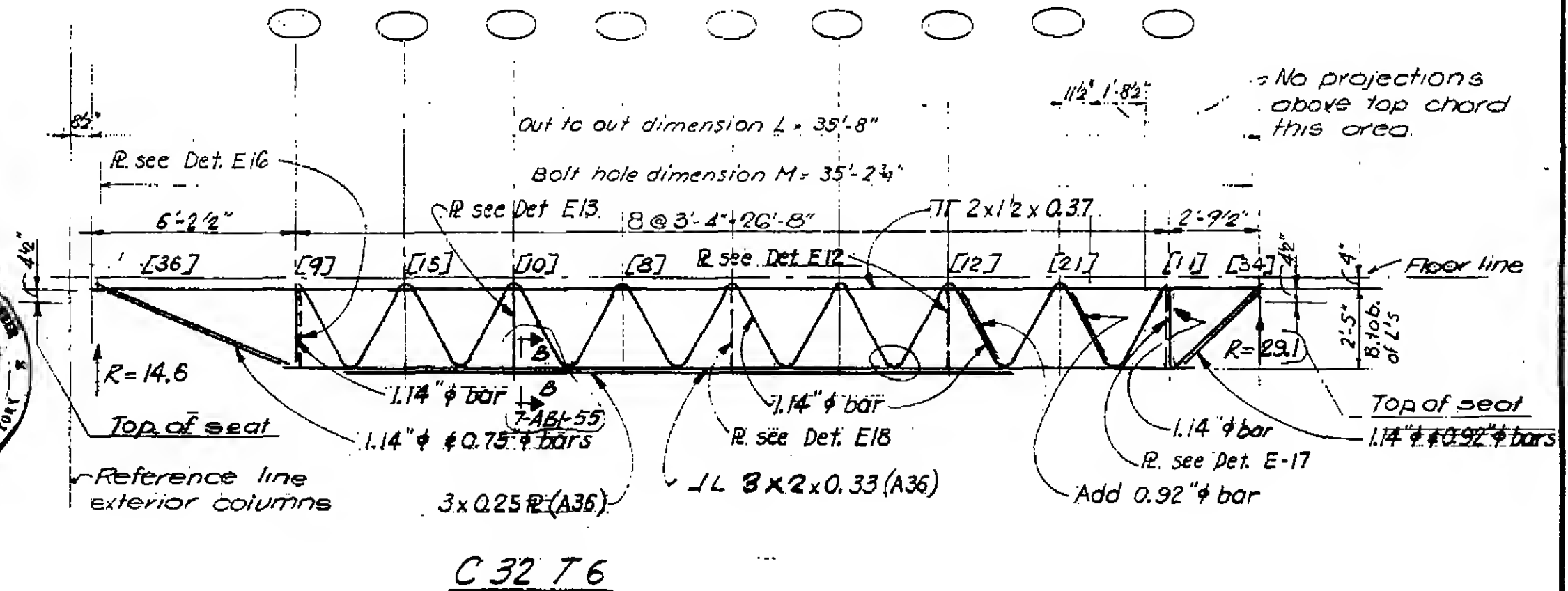
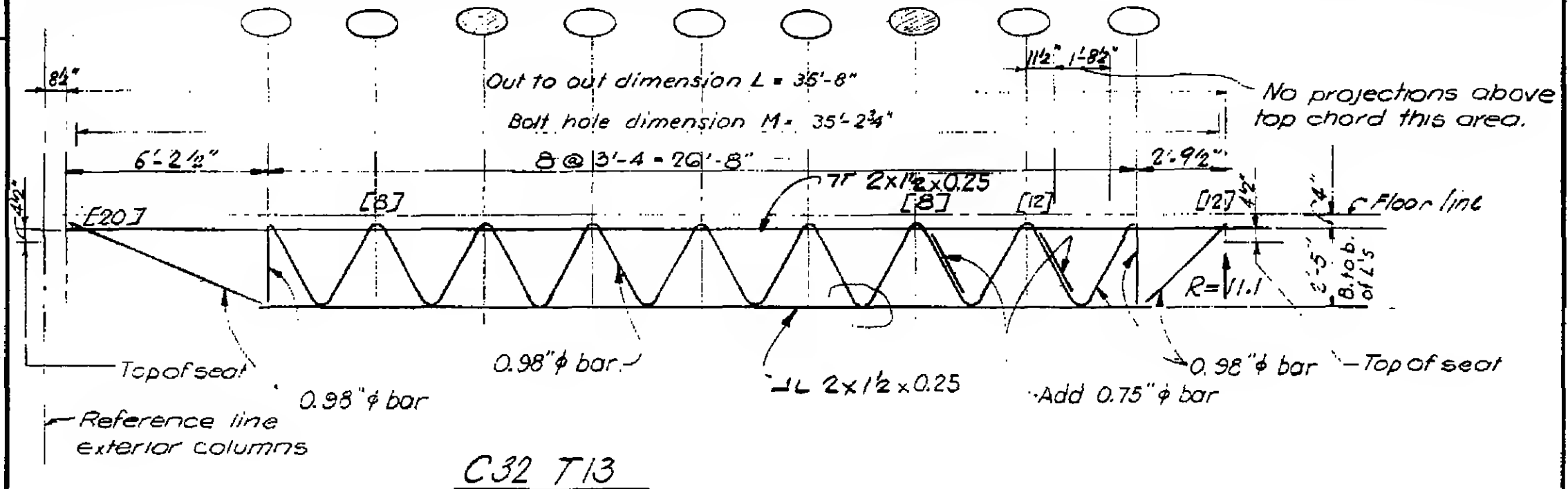
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32 T13 & T6

DATE 1-3-68

REVISIONS

1-26-68
4-1-68
5-10-68
7-22-68

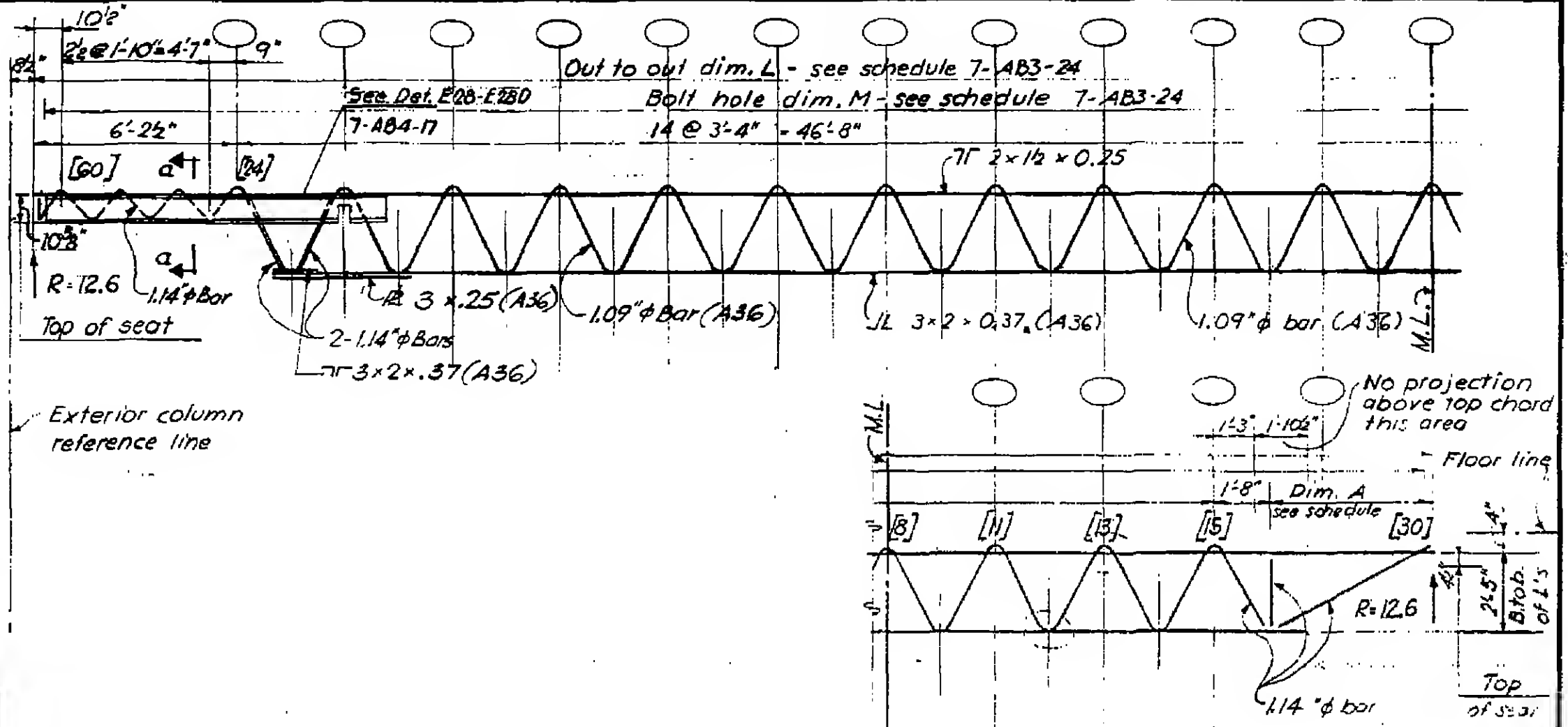


PROJECT THE WORLD TRADE CENTER

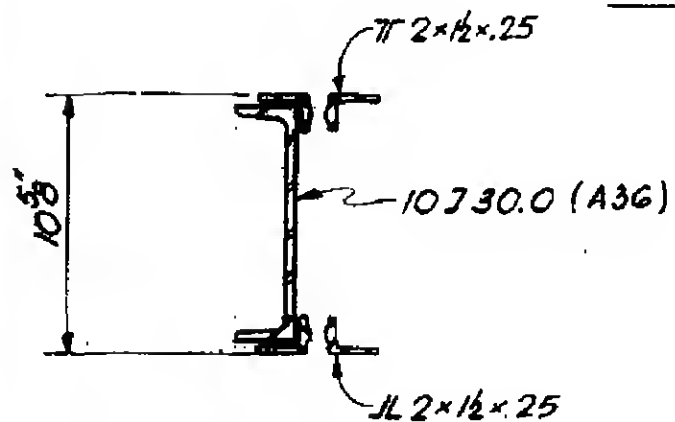
TITLE FLOOR TRUSS C32 T14

DATE 8-1-68

REVISIONS

8-15-68
10-4-68

Elevation C32 T14

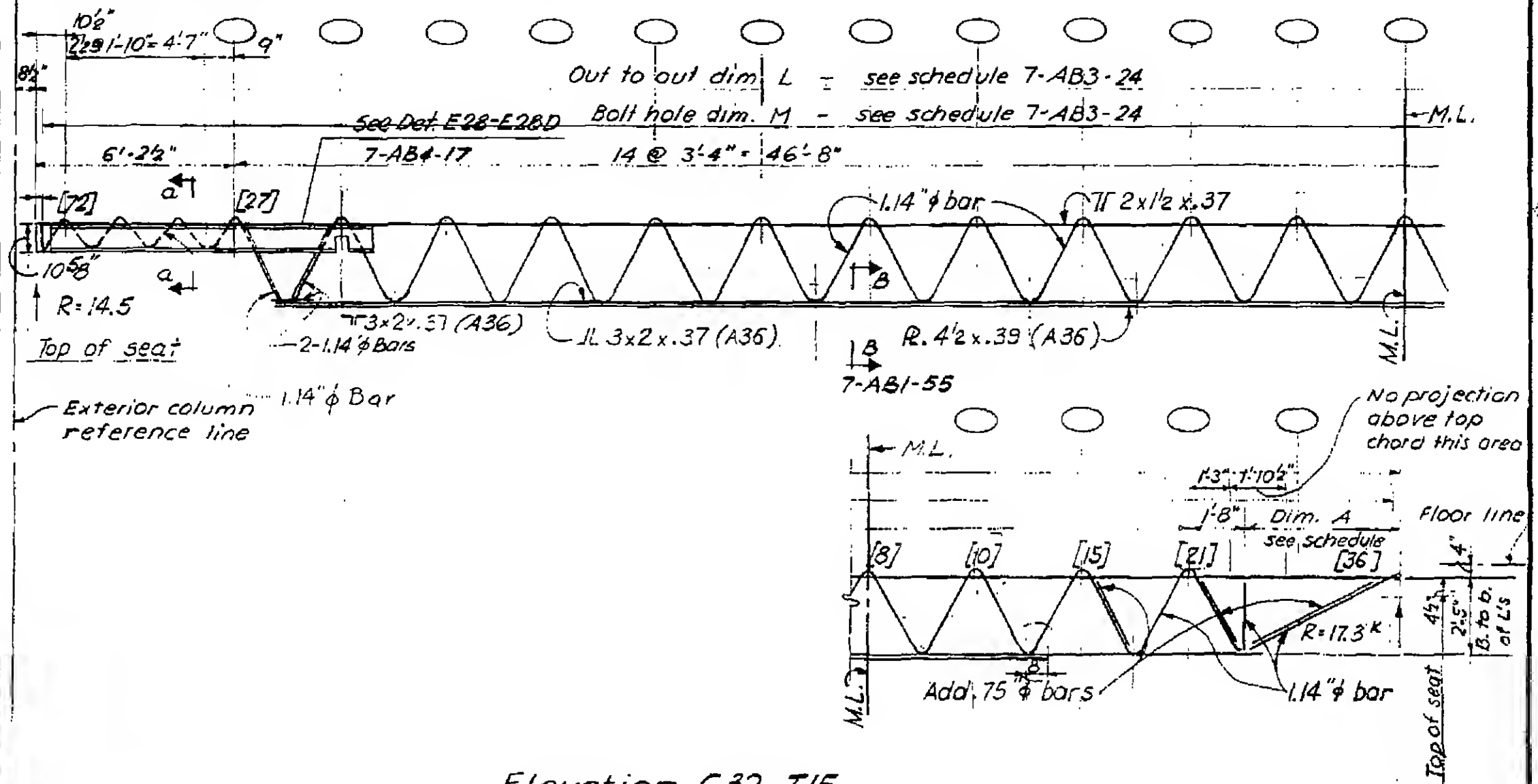


Section a-a

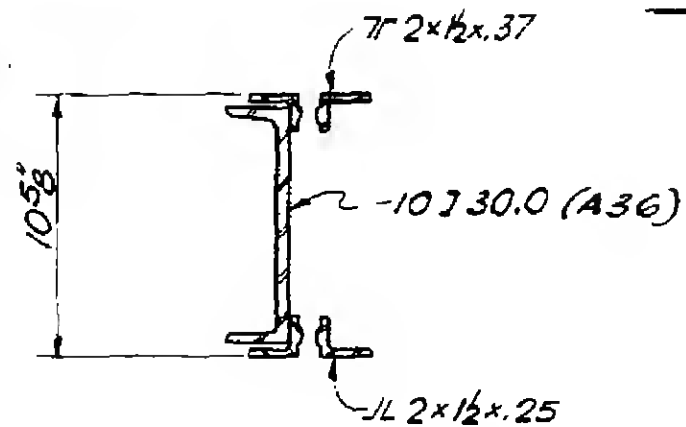


REVISIONS

10 - 4 - 68



Elevation C32 T15



Section a-a



7-ABI-14

PROJECT

THE WORLD TRADE CENTER

TITLE

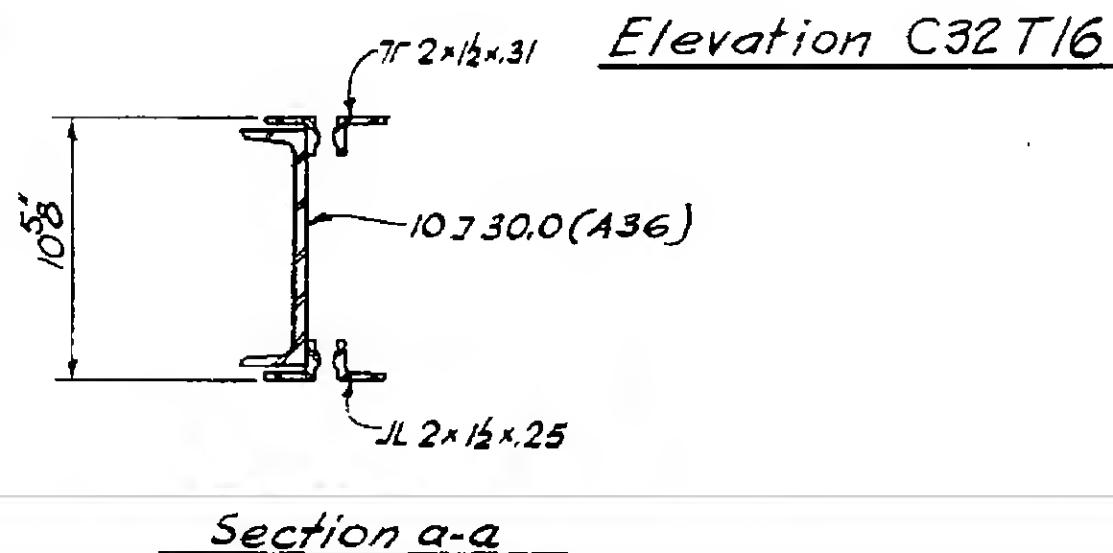
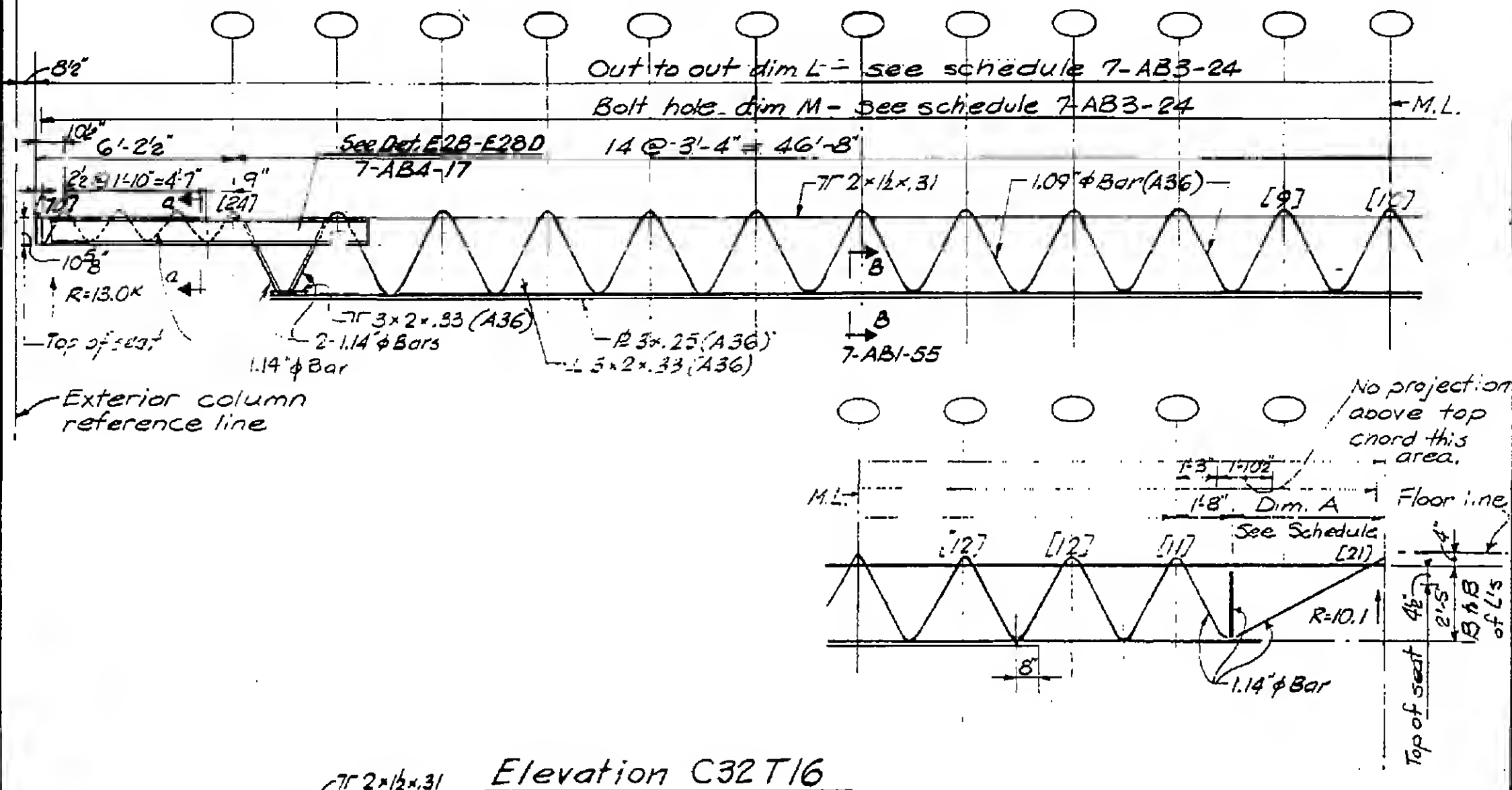
FLOOR TRUSS C32T16

DATE

8-15-68

REVISIONS

10-4-68



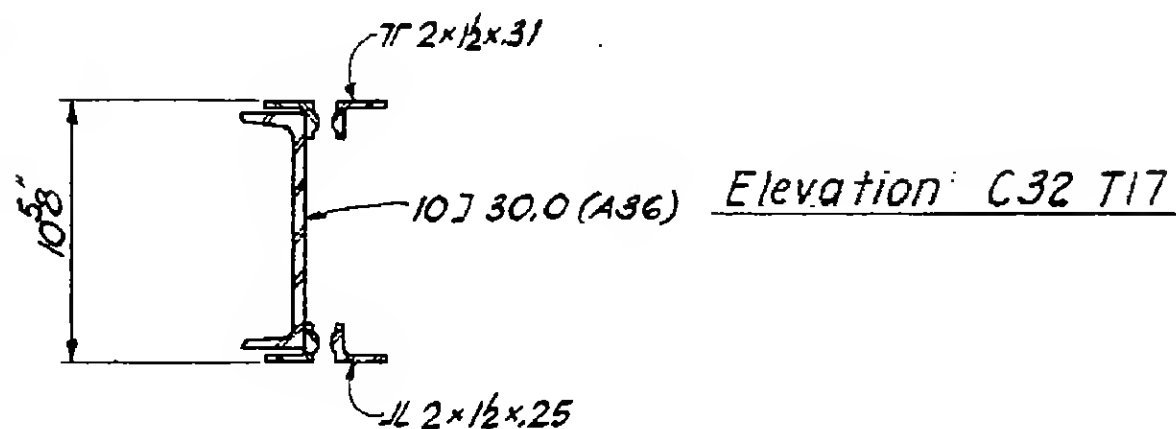
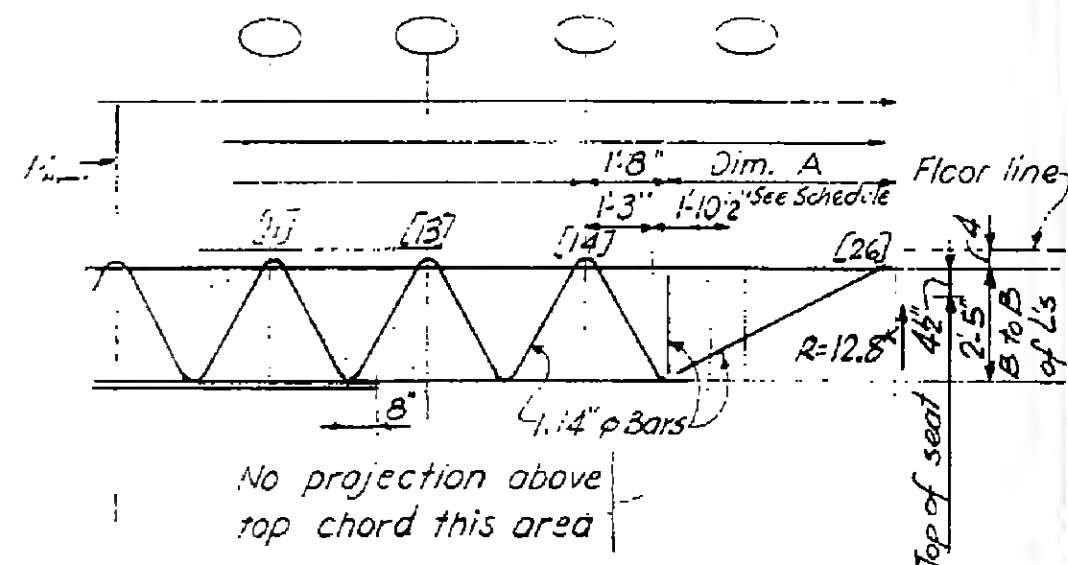
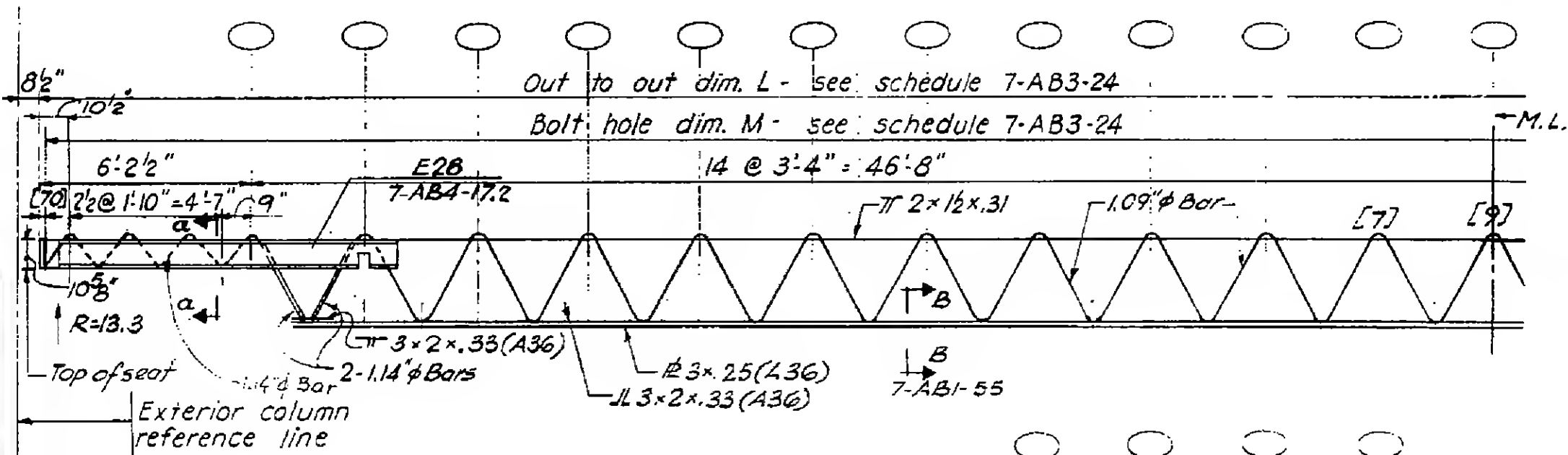
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32 T17

DATE 8-15-68

REVISIONS

10-4-68

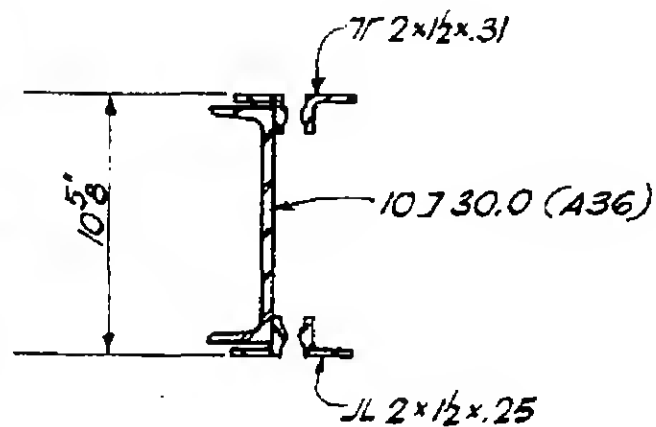
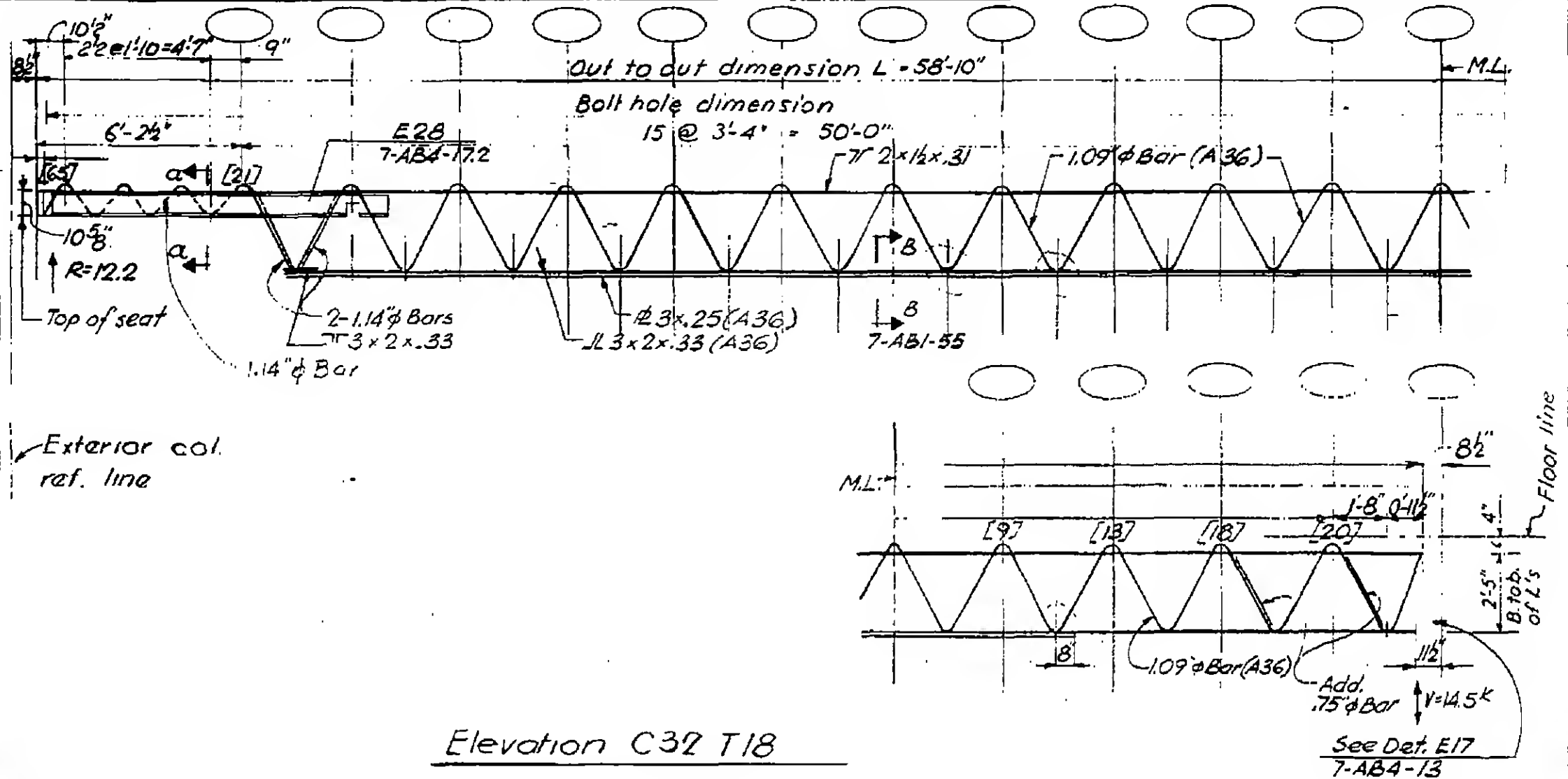


Section a-a



REVISIONS

10-4-68

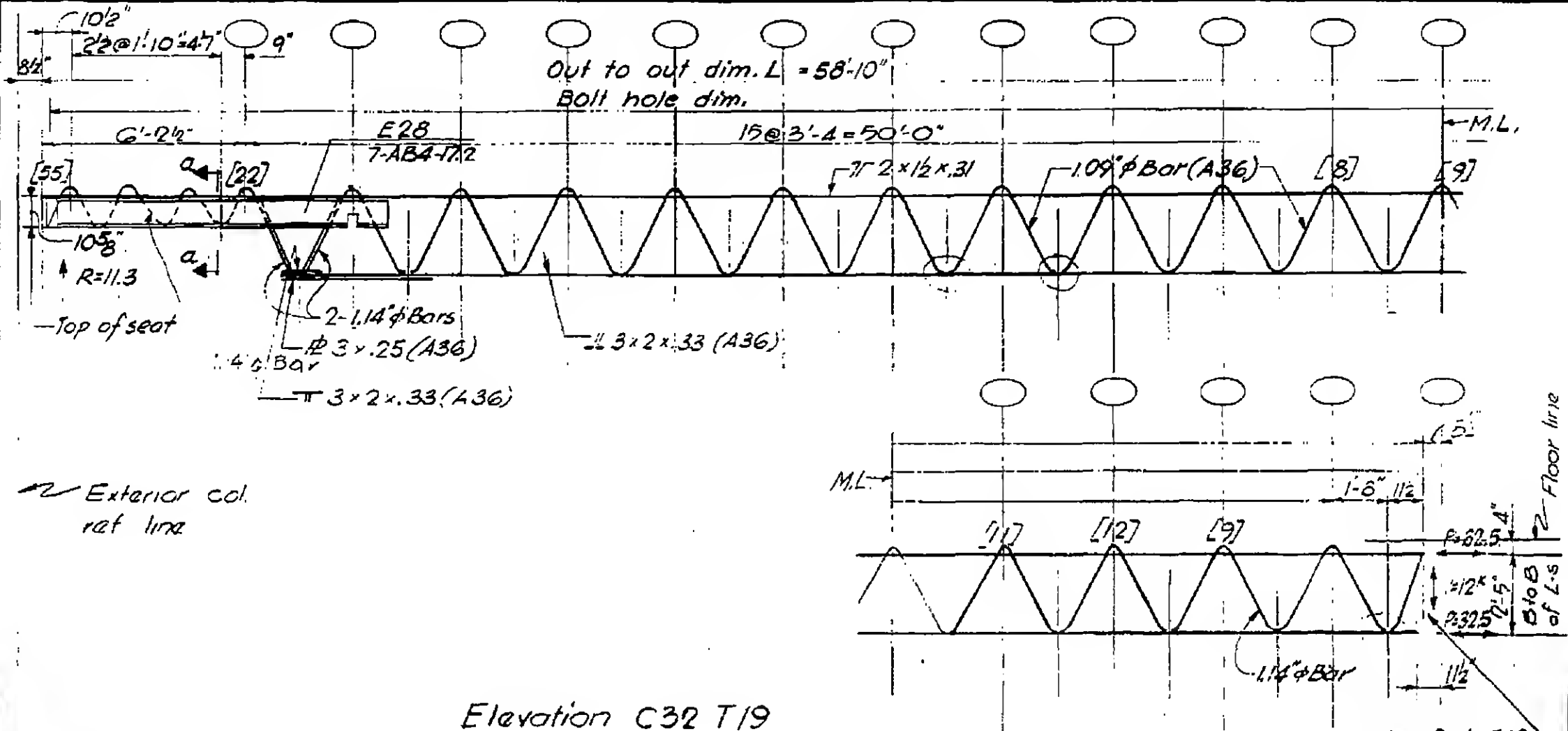


Section a-a

7-ABI-17...

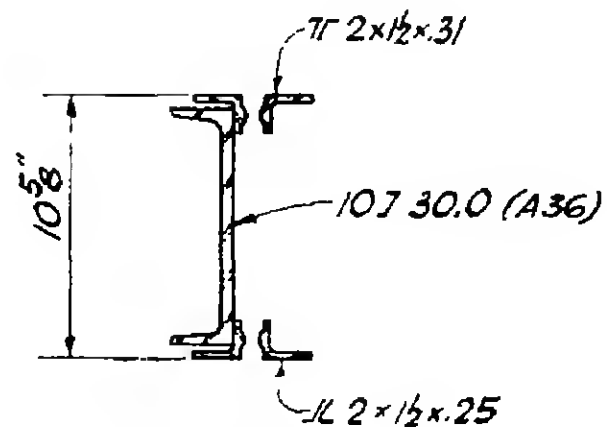
REVISIONS

10-4-68



Elevation C32 T19

See Det. E12
7-AB4-11

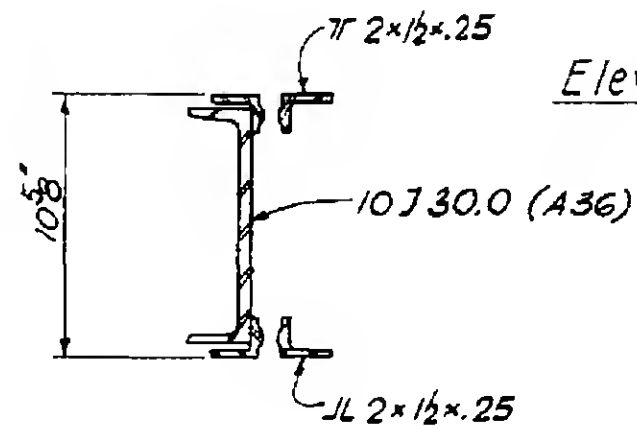
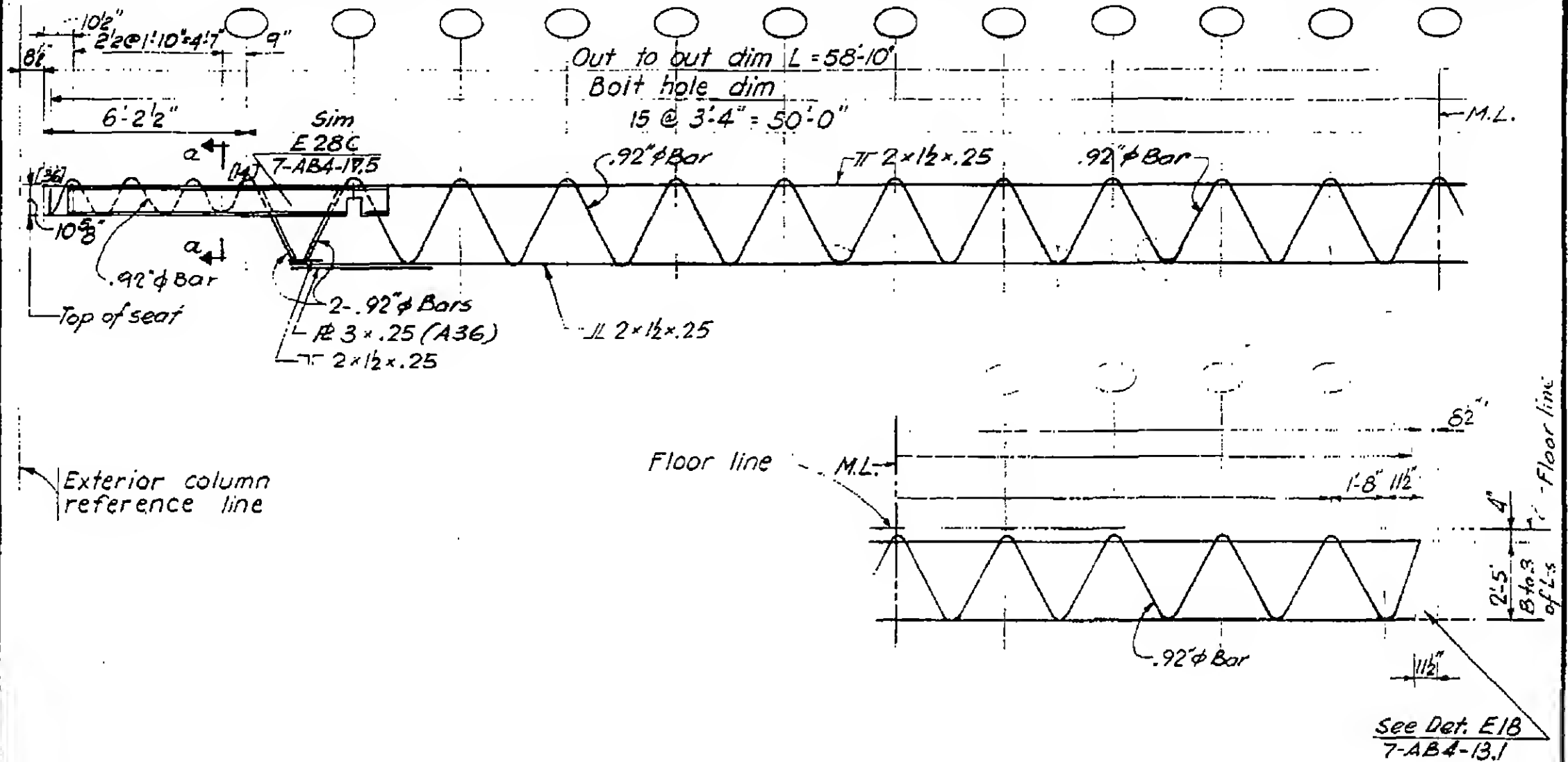


Section a-a

7-AB1-18

REVISIONS

10-4-68



Elevation. C32 T 20

Section a-a

7-ABI-19

PROJECT

THE WORLD TRADE CENTER

TITLE

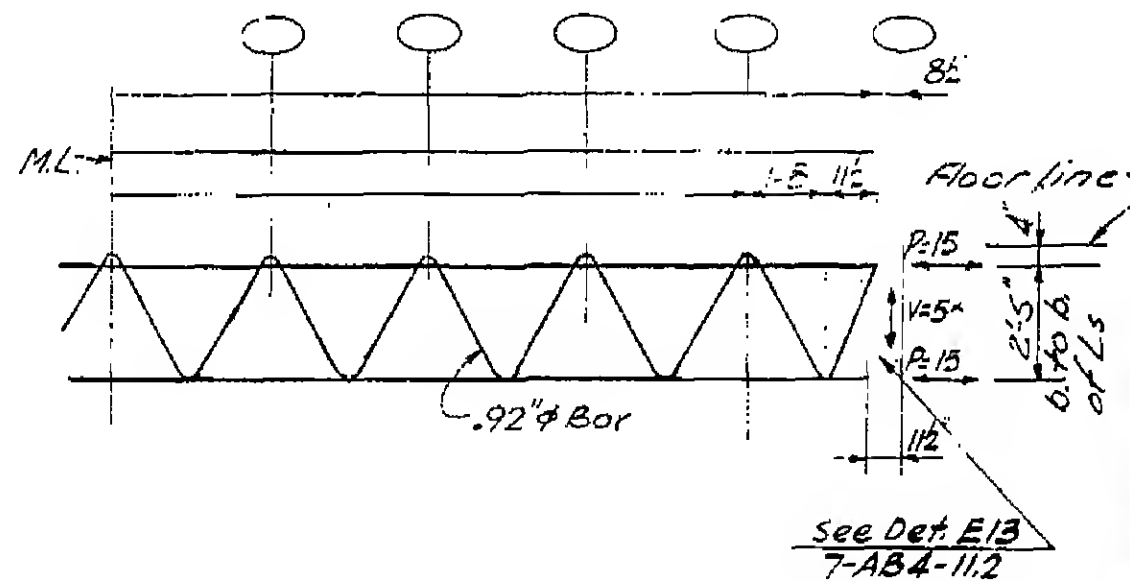
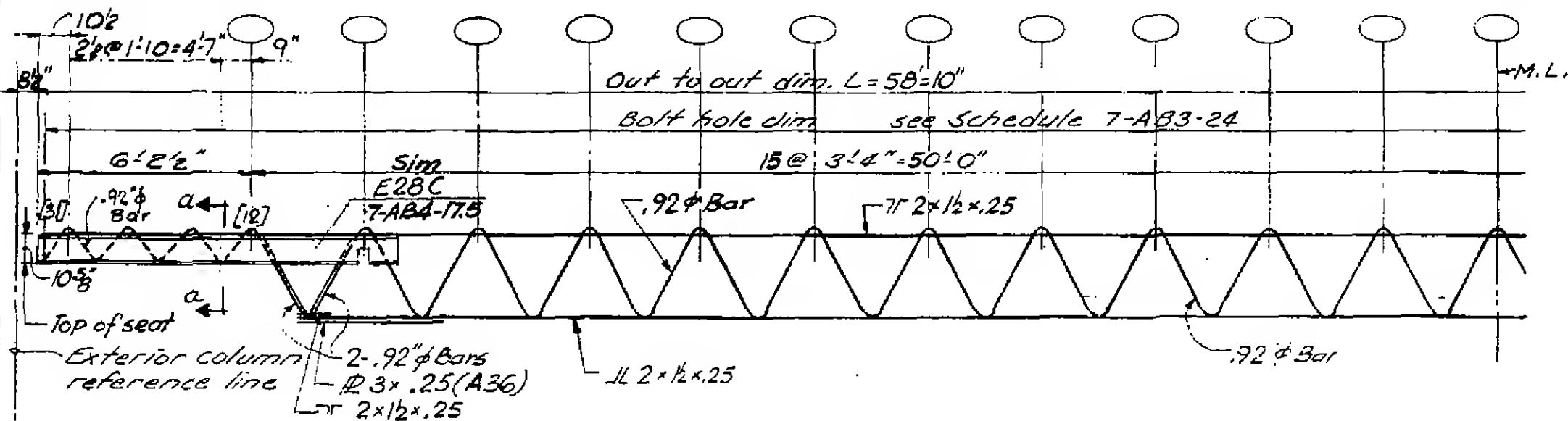
FLOOR TRUSS C32 T21

DATE

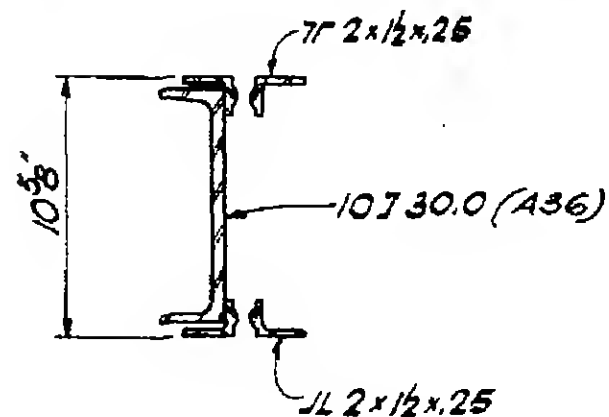
8-15-68

REVISIONS

10-4-68



ELEVATION C32 T21



Section a-a

7-AB1-20



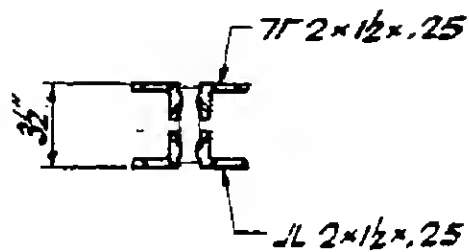
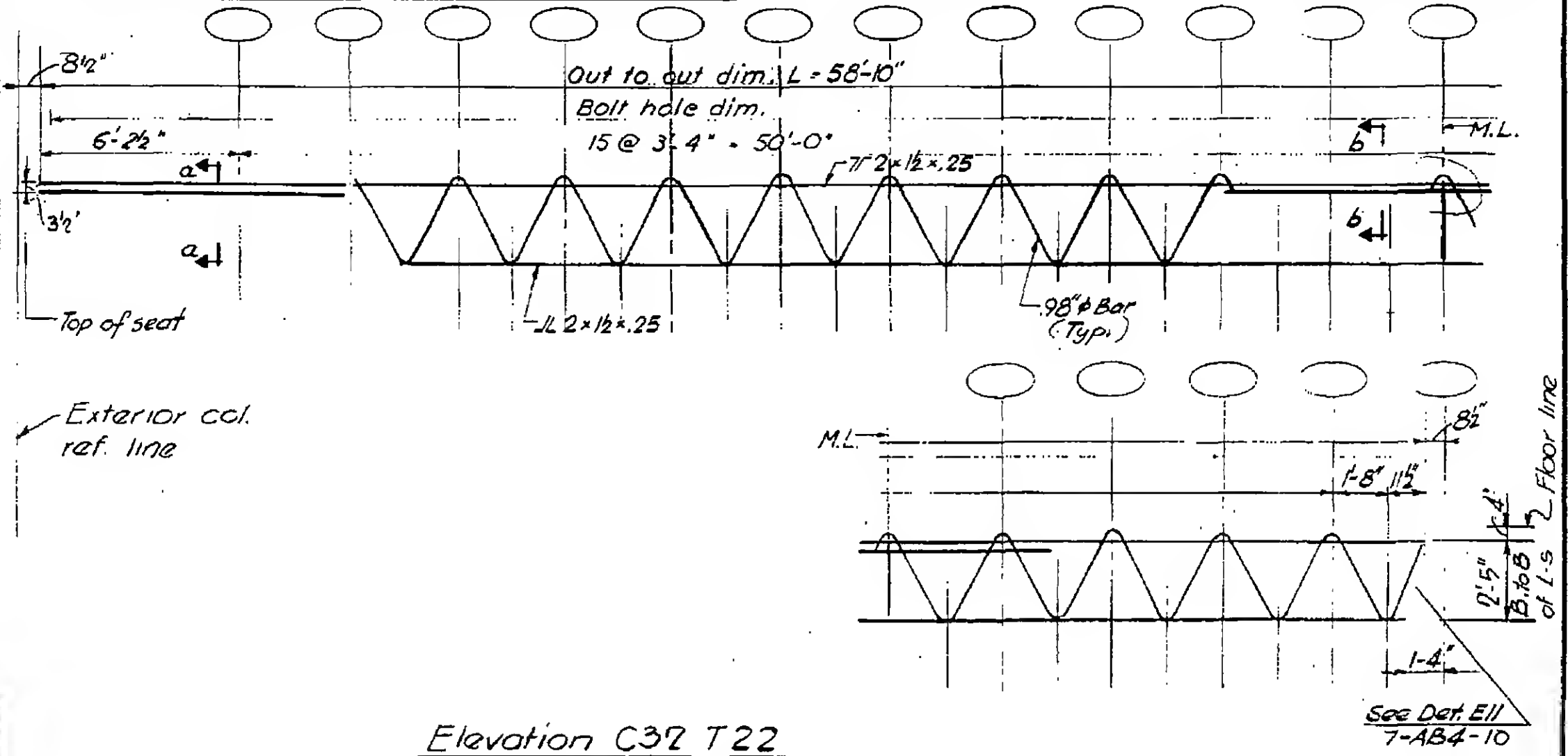
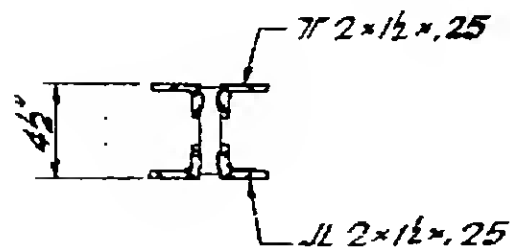
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32.T22

DATE 8-15-68

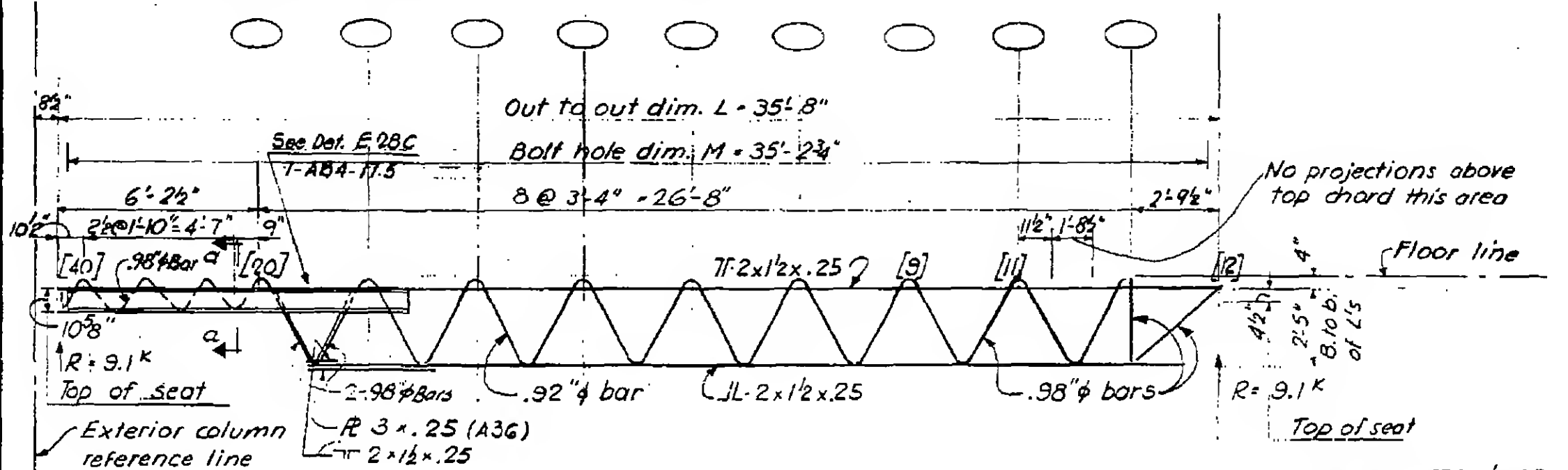
REVISIONS

10-4-68

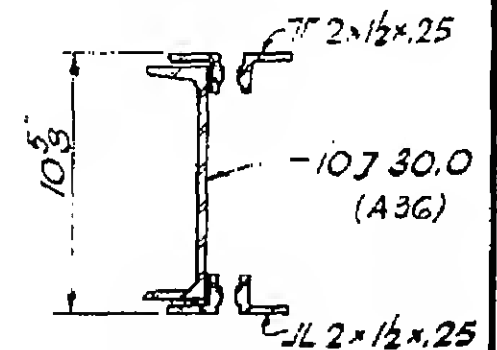
Section a-aSection b-b

REVISIONS

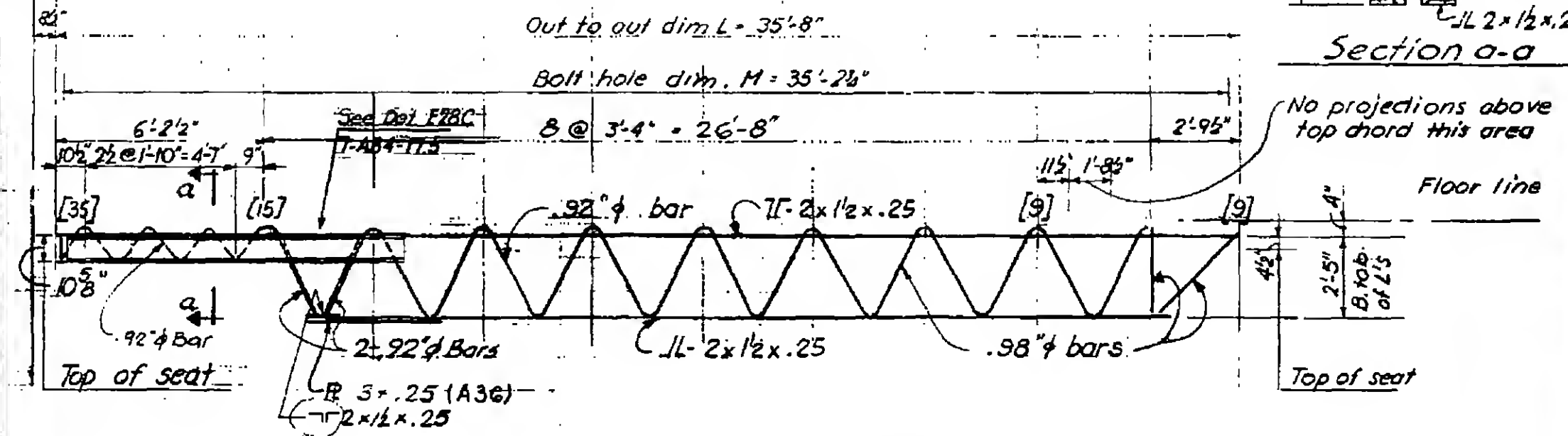
8-15-68
10-4-68



Elevation C32T23



Section a-a



Elevation C32T24



PROJECT

THE WORLD TRADE CENTER

TITLE

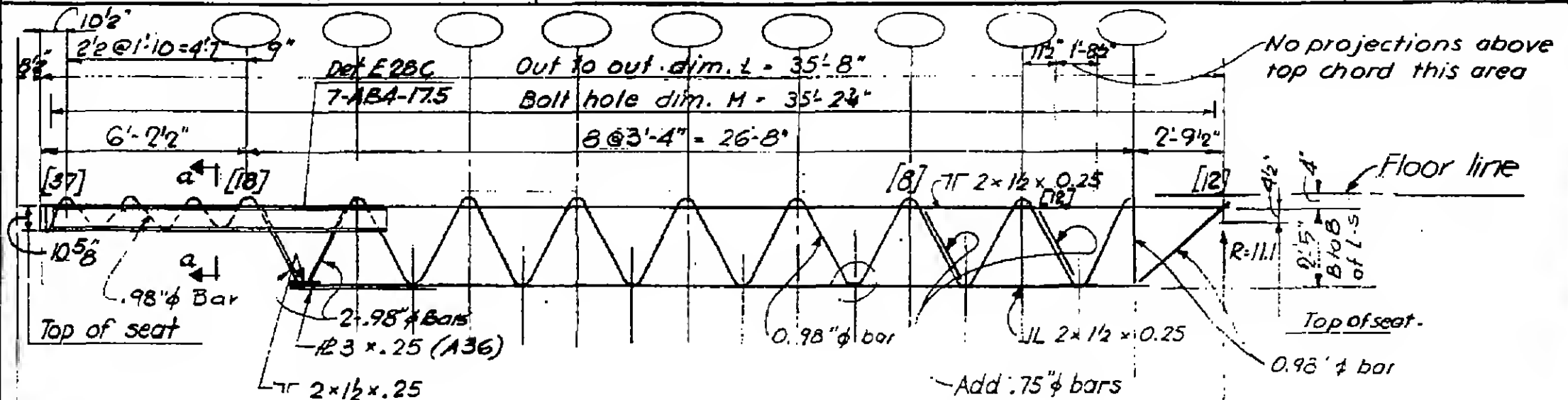
FLOOR TRUSS C32 T25 & C32 T26

DATE

8-15-68

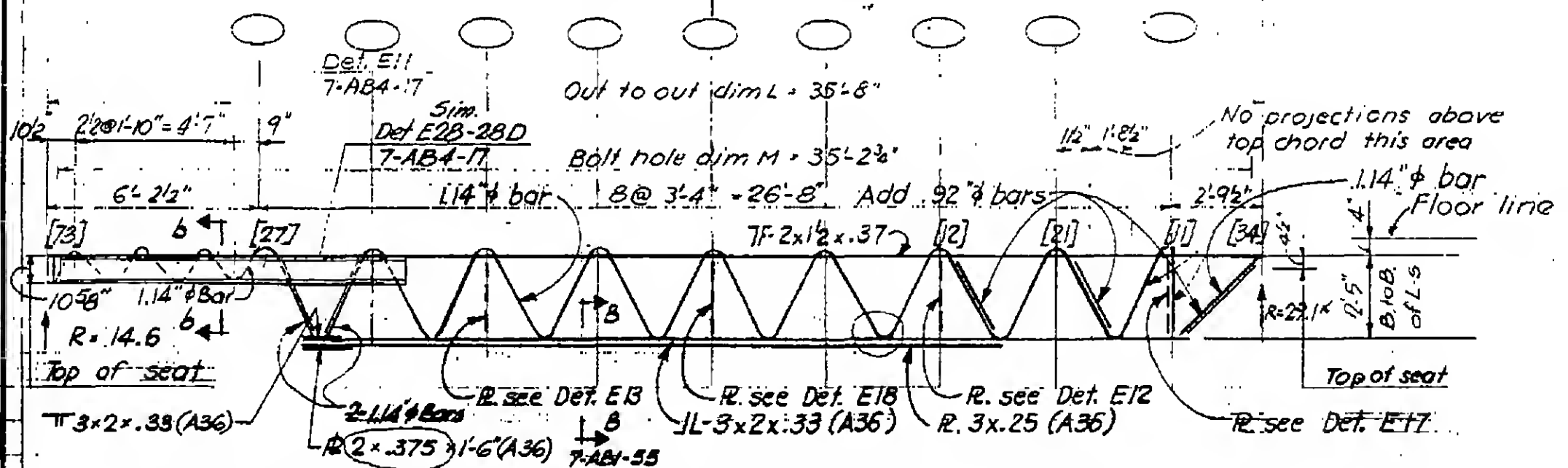
REVISIONS

10-4-68

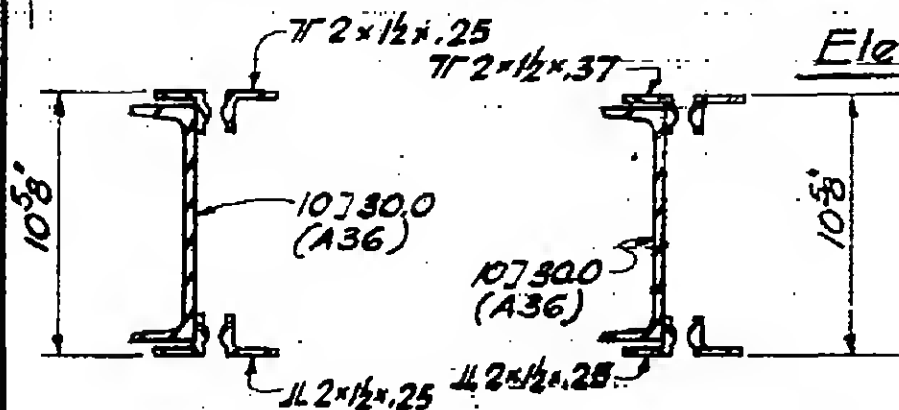


2. Exterior col.
ref. line.

Elevation C32 T25



Elevation C32 T26



Section a-a

Section b-b

7-ABI-23

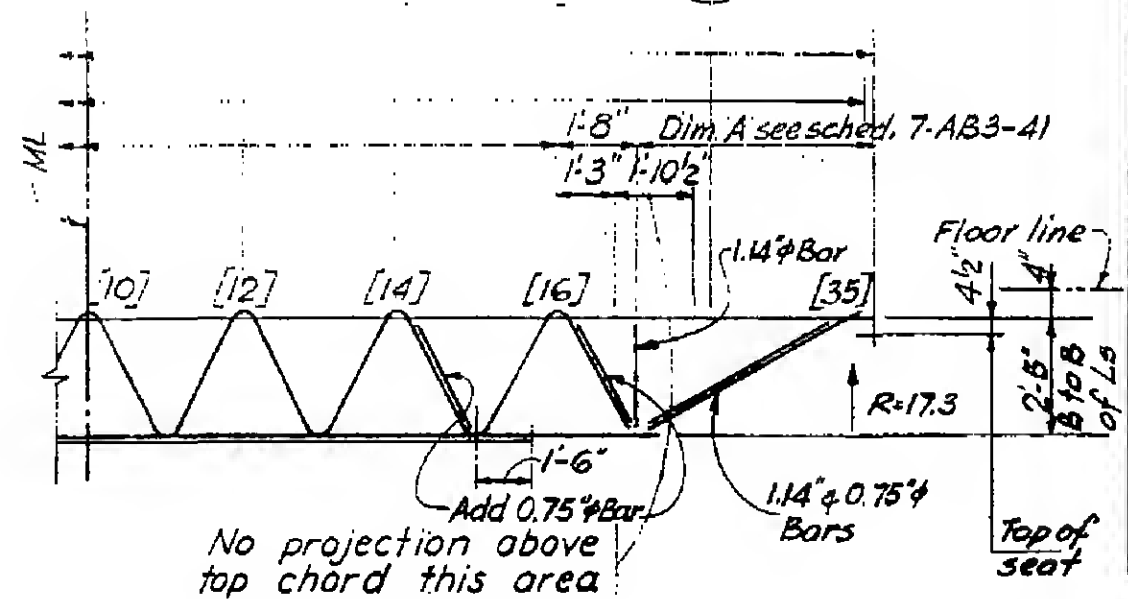
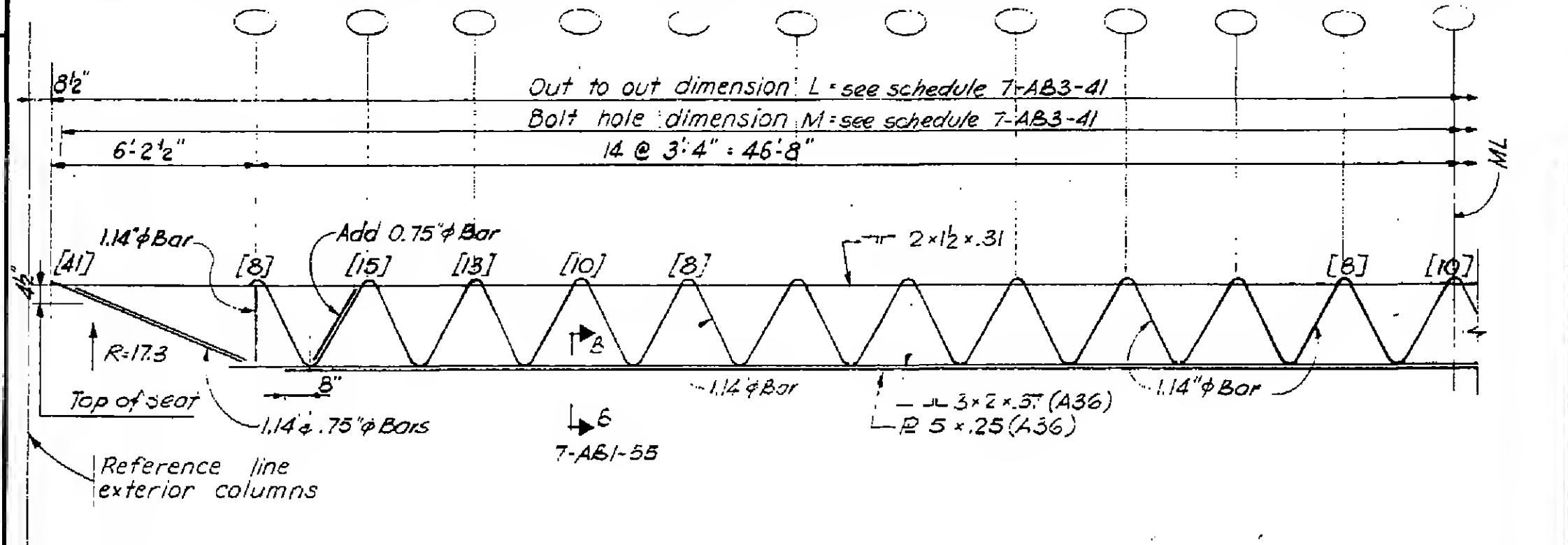


PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C 32T27

DATE 1-6-69

REVISIONS



Elevation C 32T27

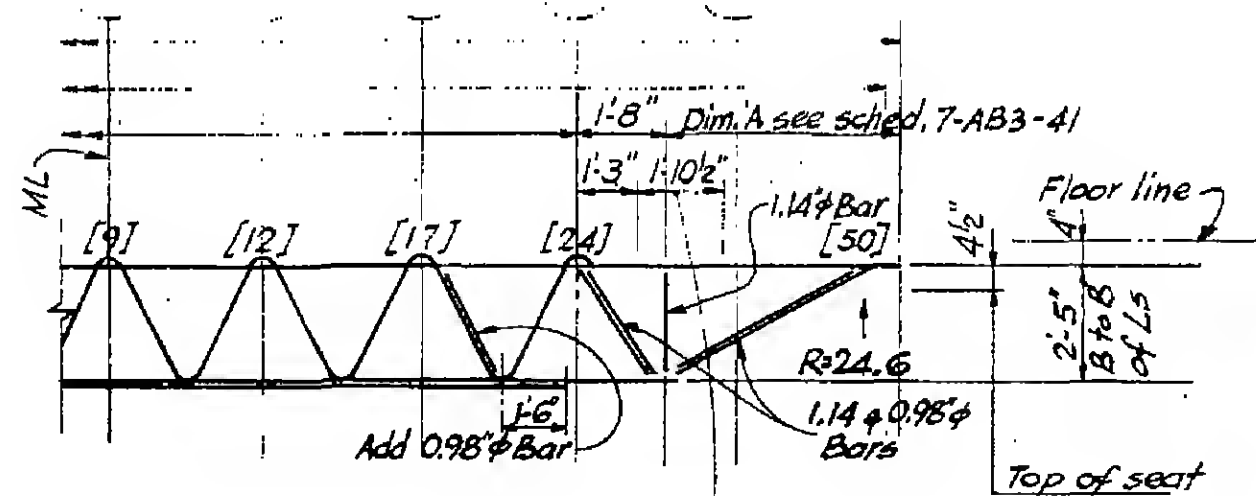
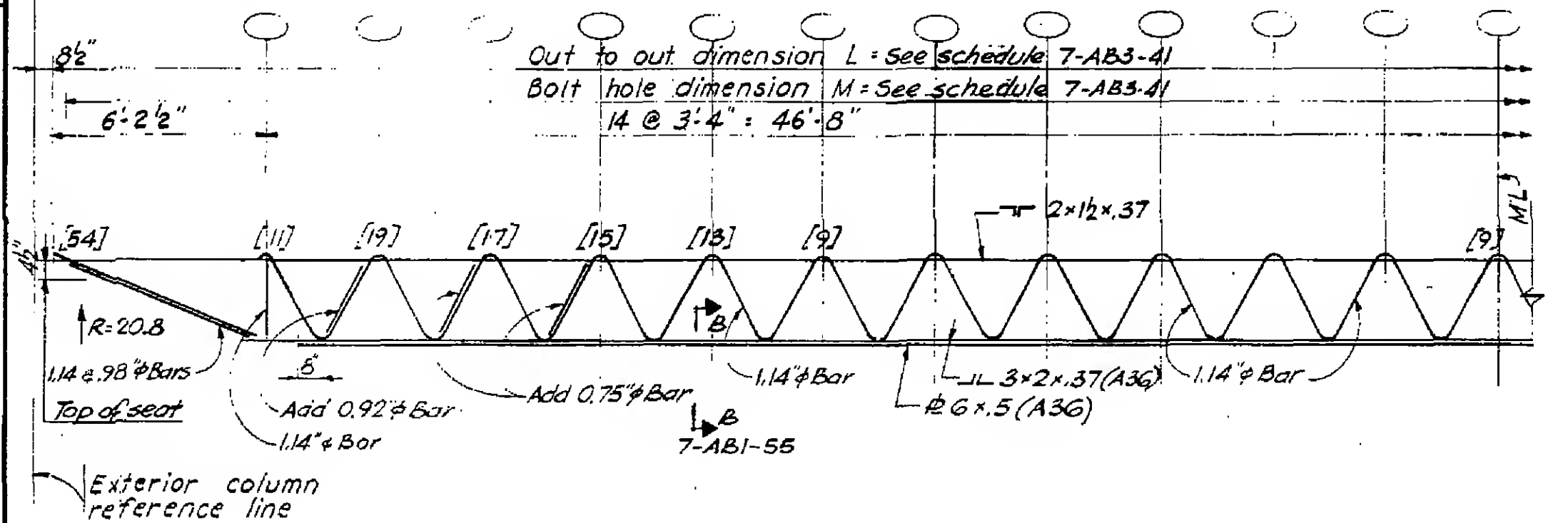
7-AB1-24



PROJECT THE WORLD TRADE CENTER TITLE FLOOR TRUSS C32T28

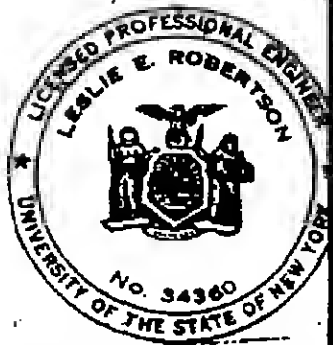
DATE 1-6-69

REVISIONS



No projection above top chord this area

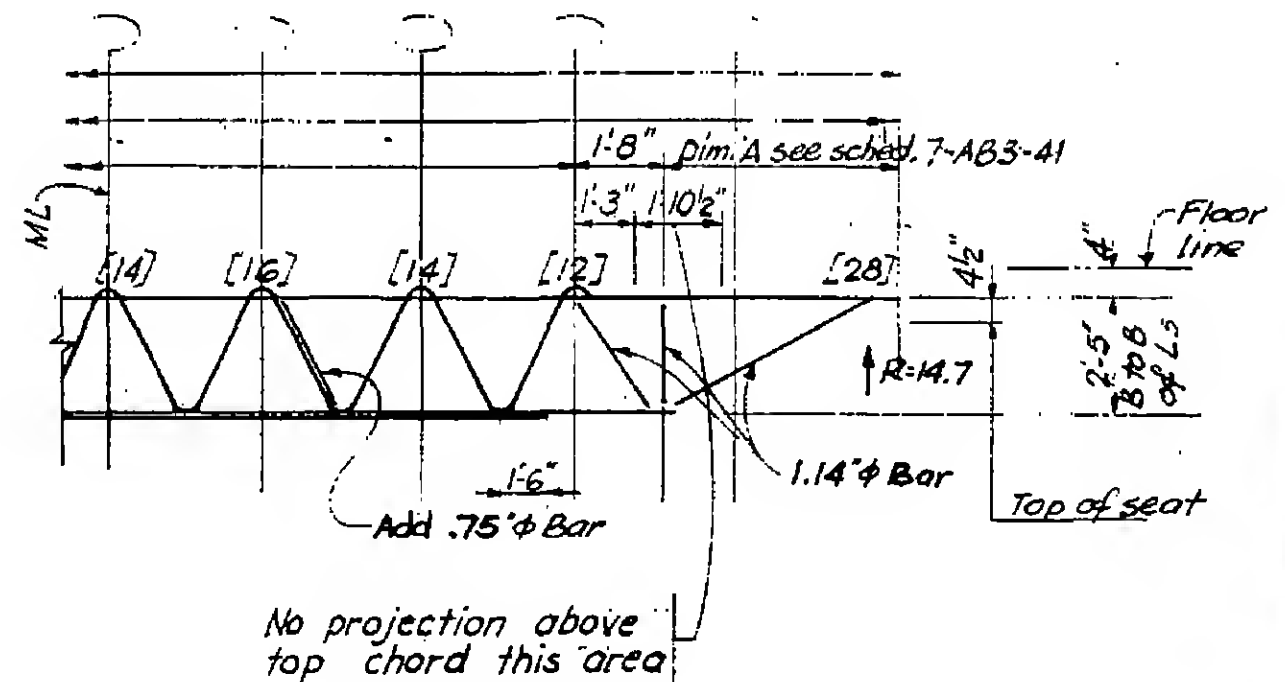
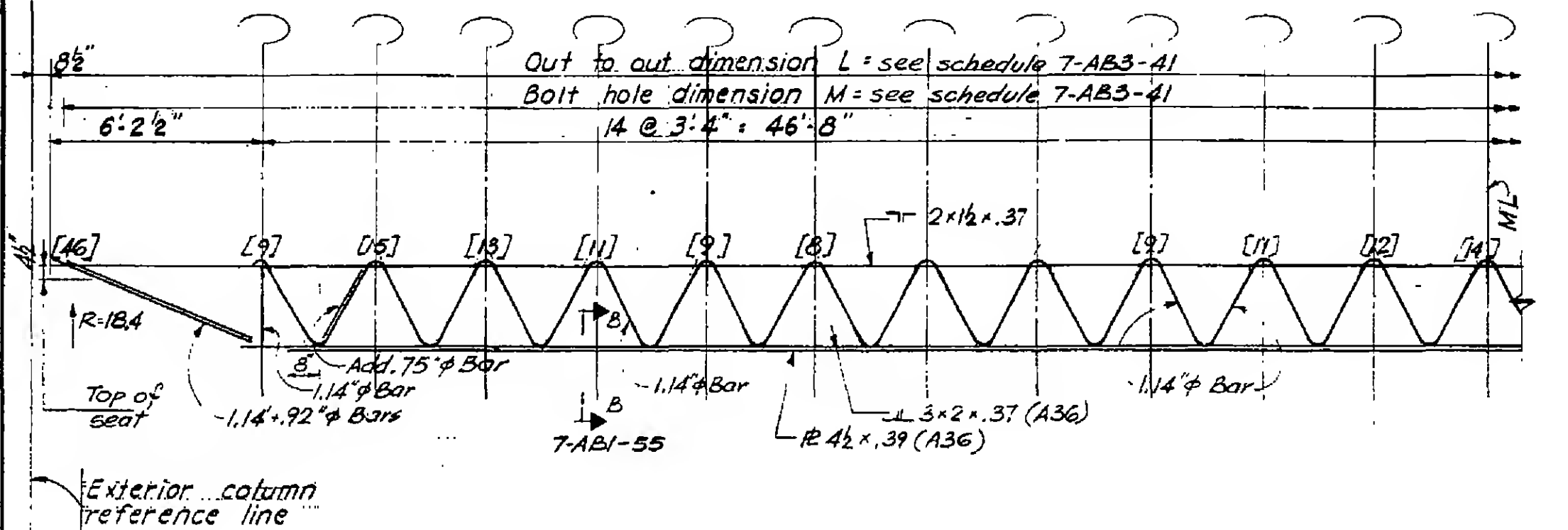
Elevation C 32T28



PROJECT THE WORLD TRADE CENTER TITLE FLOOR TRUSS C32T29

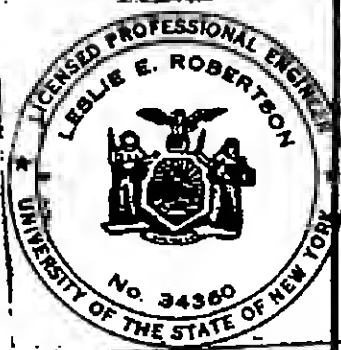
DATE 1-6-69

REVISIONS

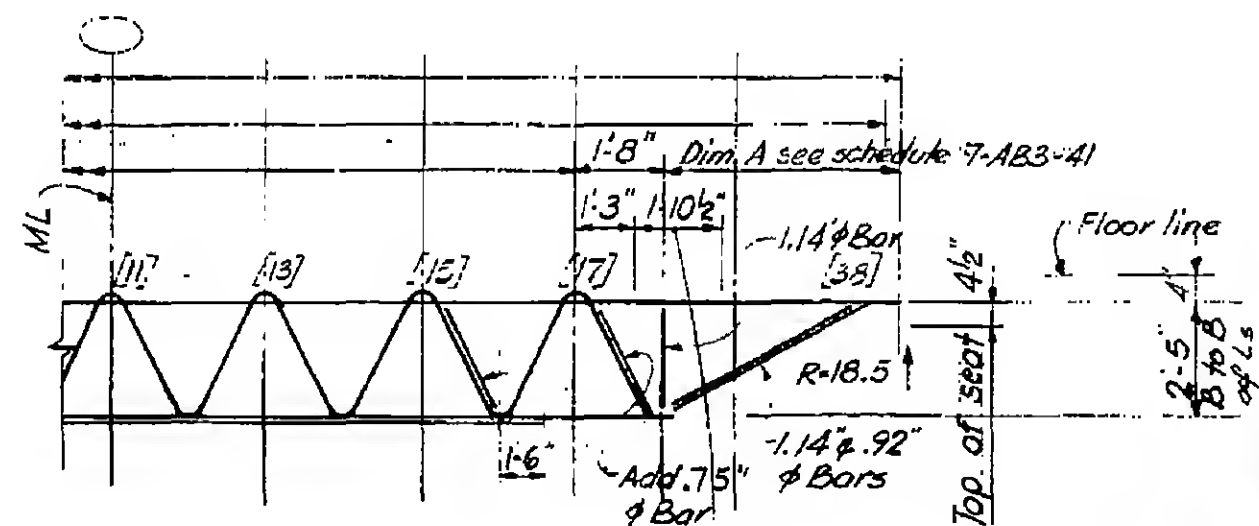
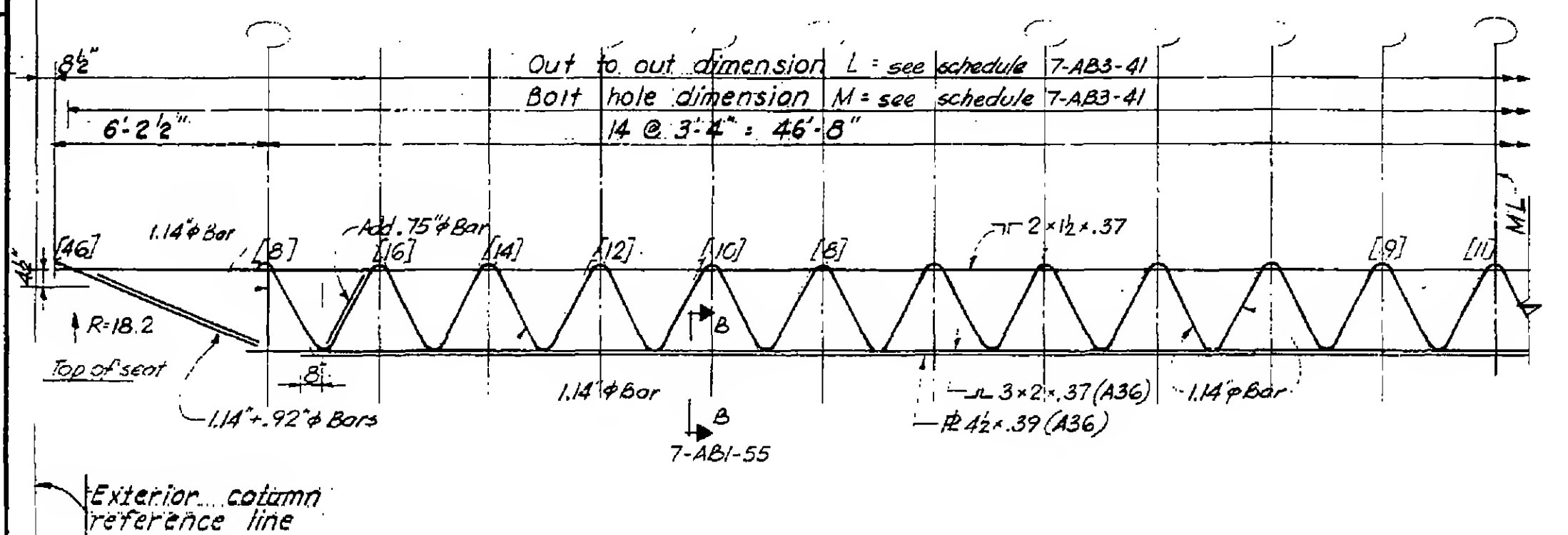


Elevation C32T29

7-ABI-26



REVISIONS



No projection above
top chord this area

Elevation C32T30

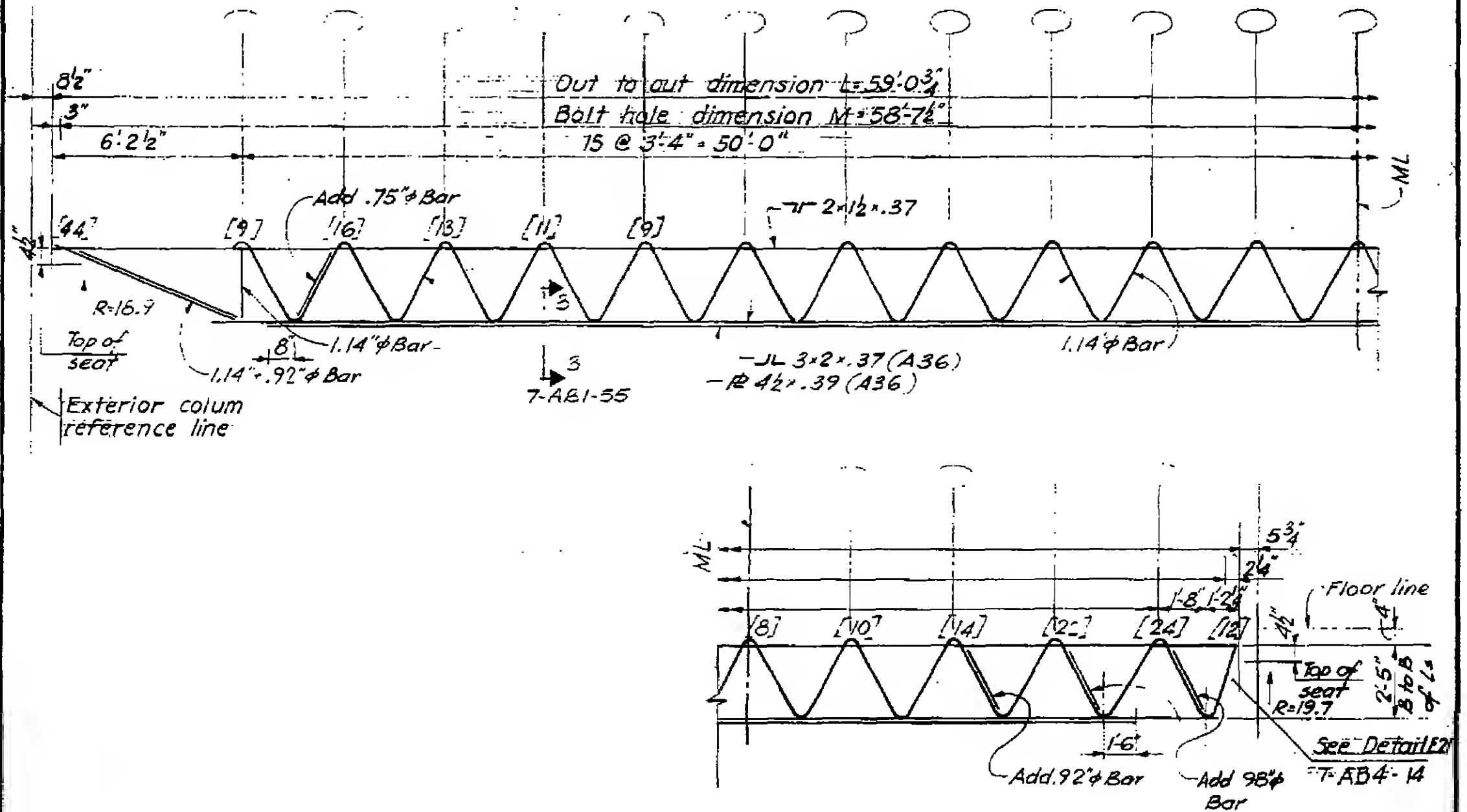


PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32T31

DATE 1-6-69

REVISIONS



Elevation C32T31

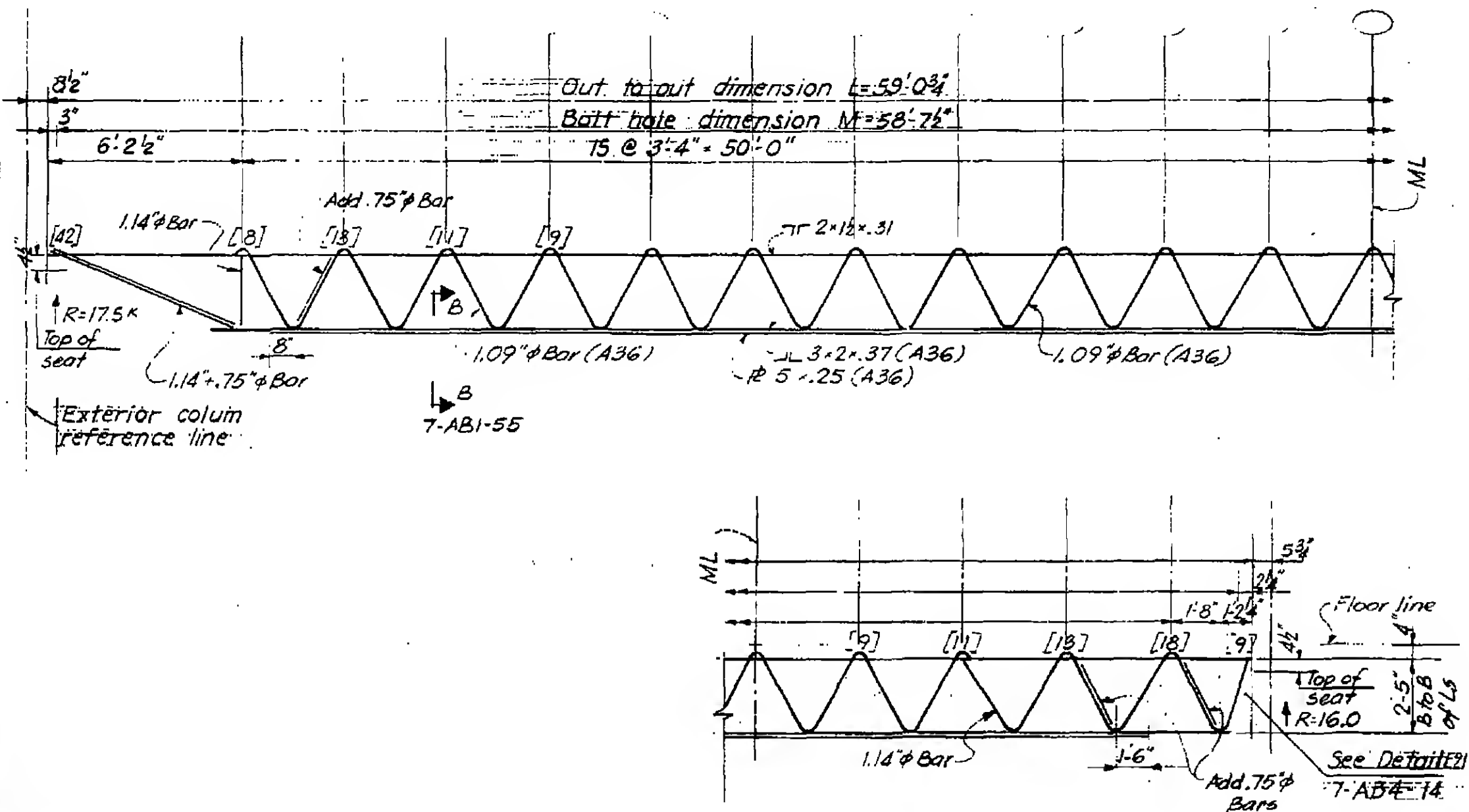


PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32T32

DATE 1-6-69

REVISIONS



Elevation C32T32

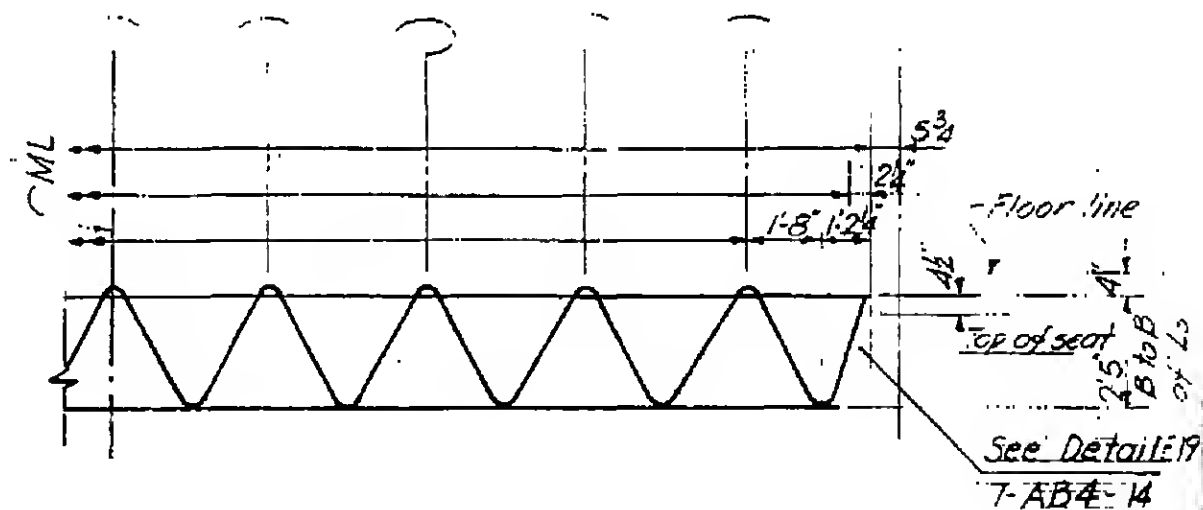
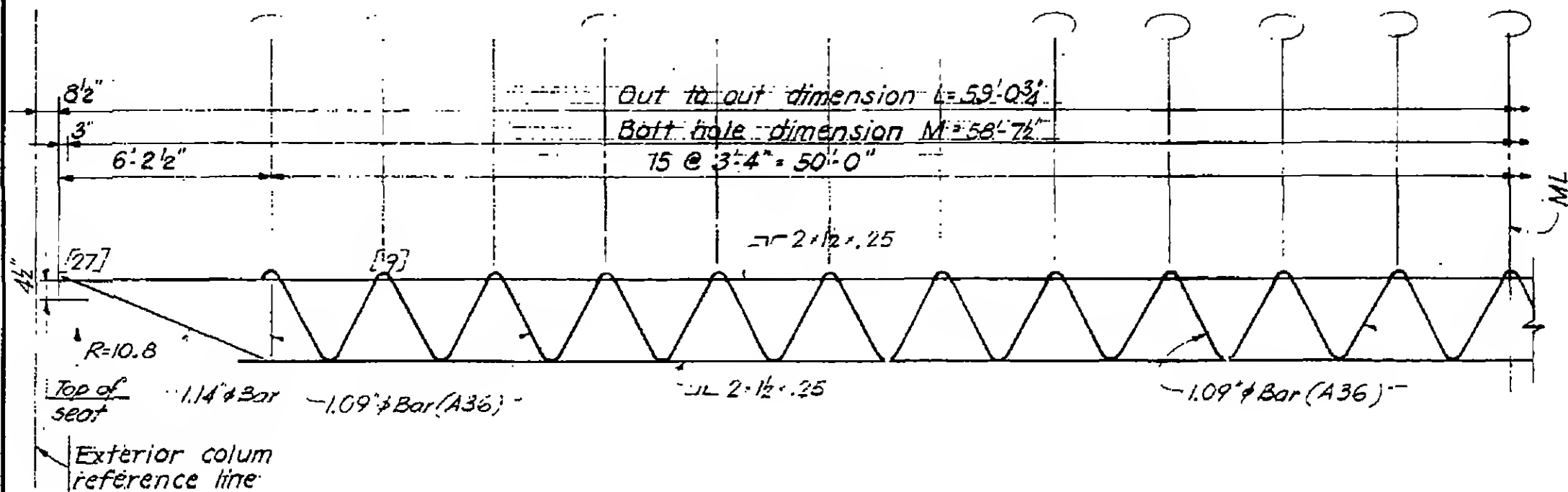


PROJECT THE WORLD TRADE CENTER

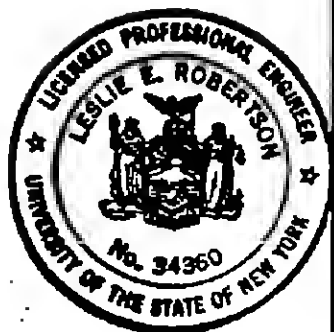
TITLE FLOOR TRUSS C32T33

DATE 1-6-69

REVISIONS



Elevation C32T33

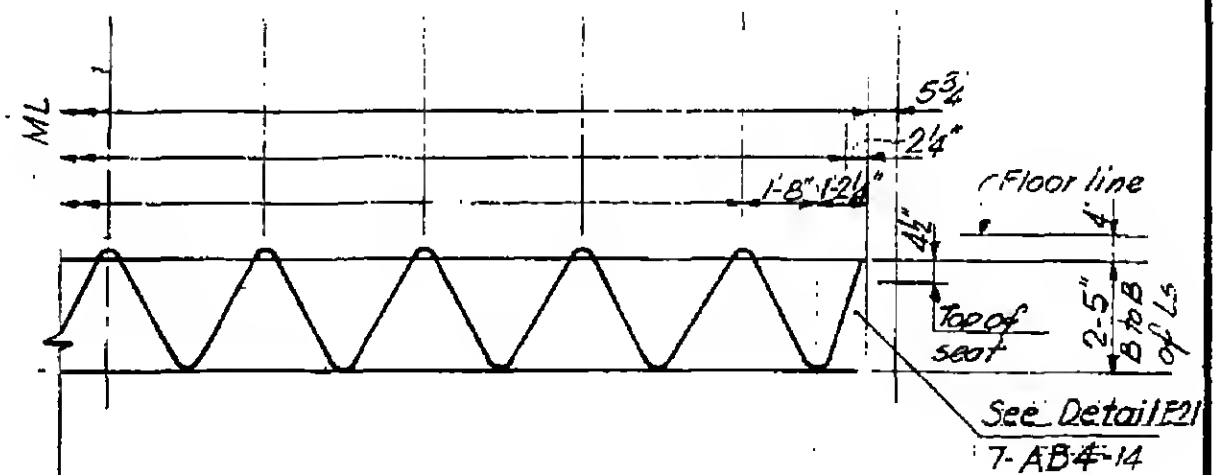
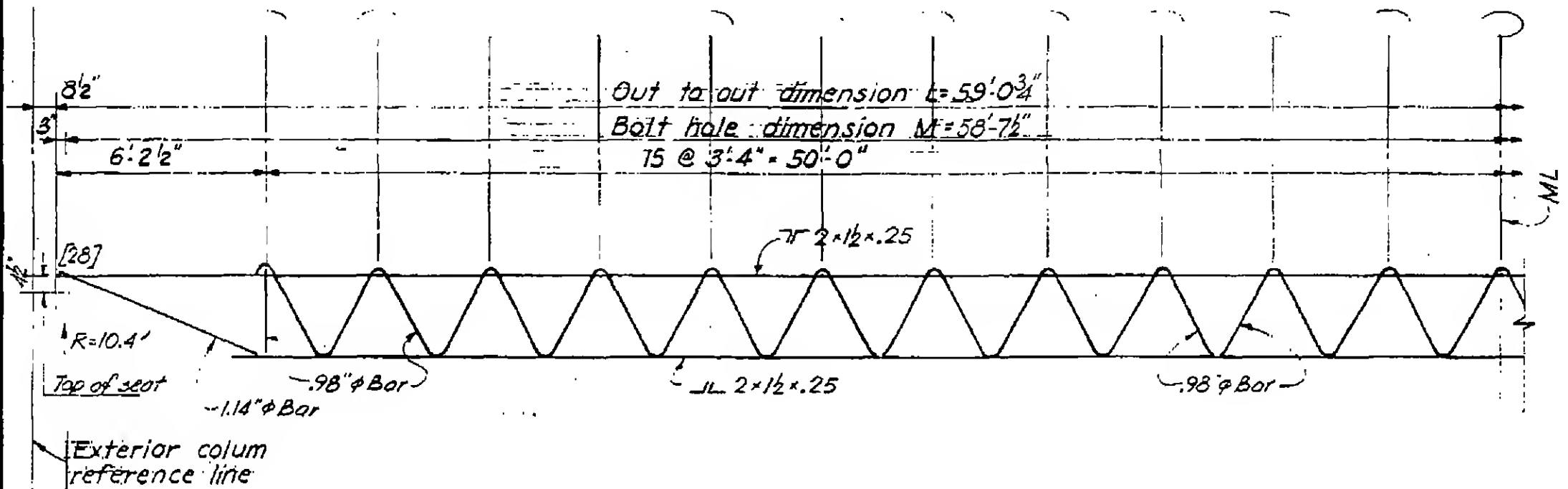
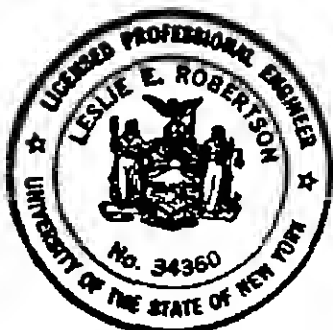


PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32T34

DATE 1-6-69

REVISIONS

Elevation C32T34

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

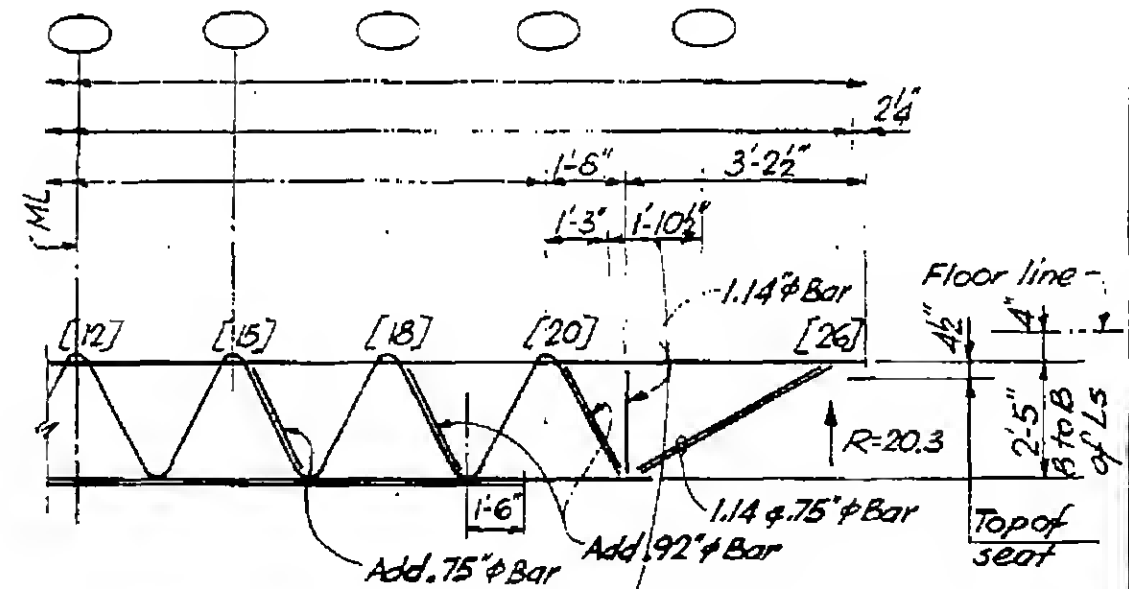
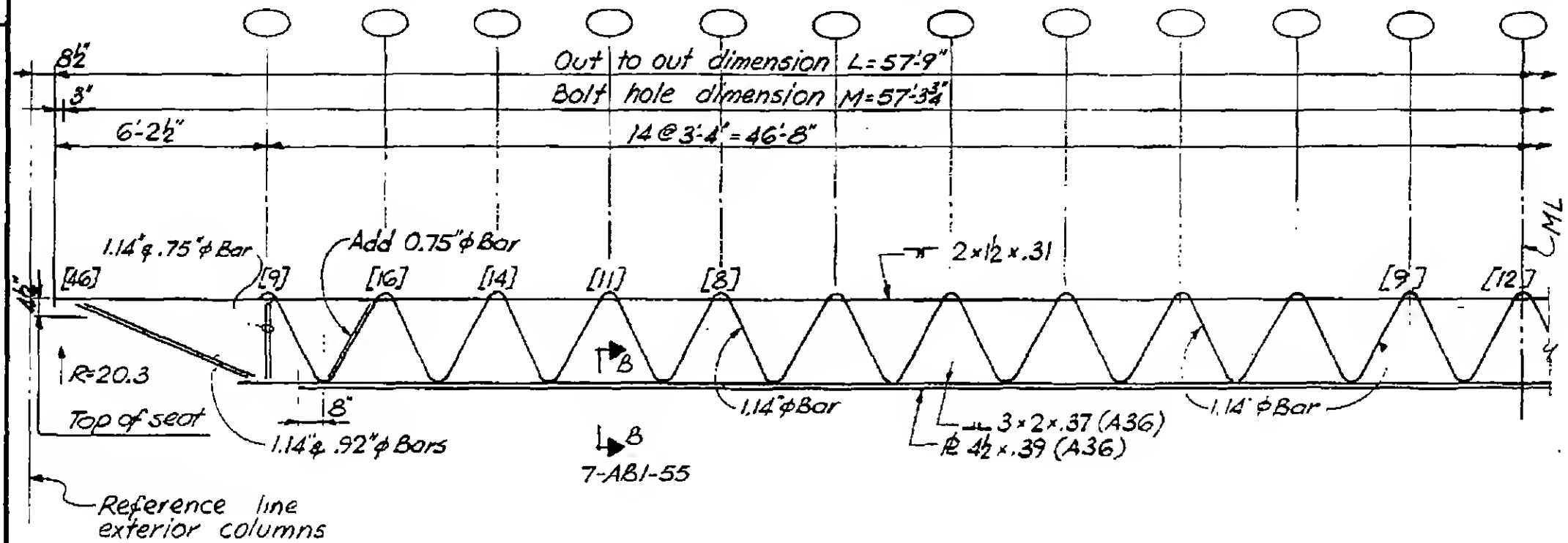
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32T36

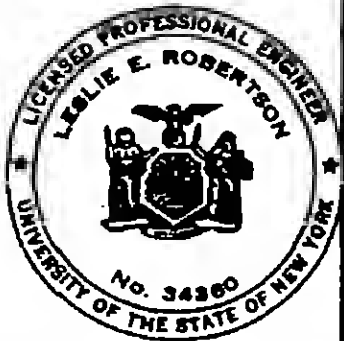
DATE 1-6-69

REVISIONS



No projection above top chord this area

Elevation C32T36



DESIGNED

DRAWN

REVIEWED

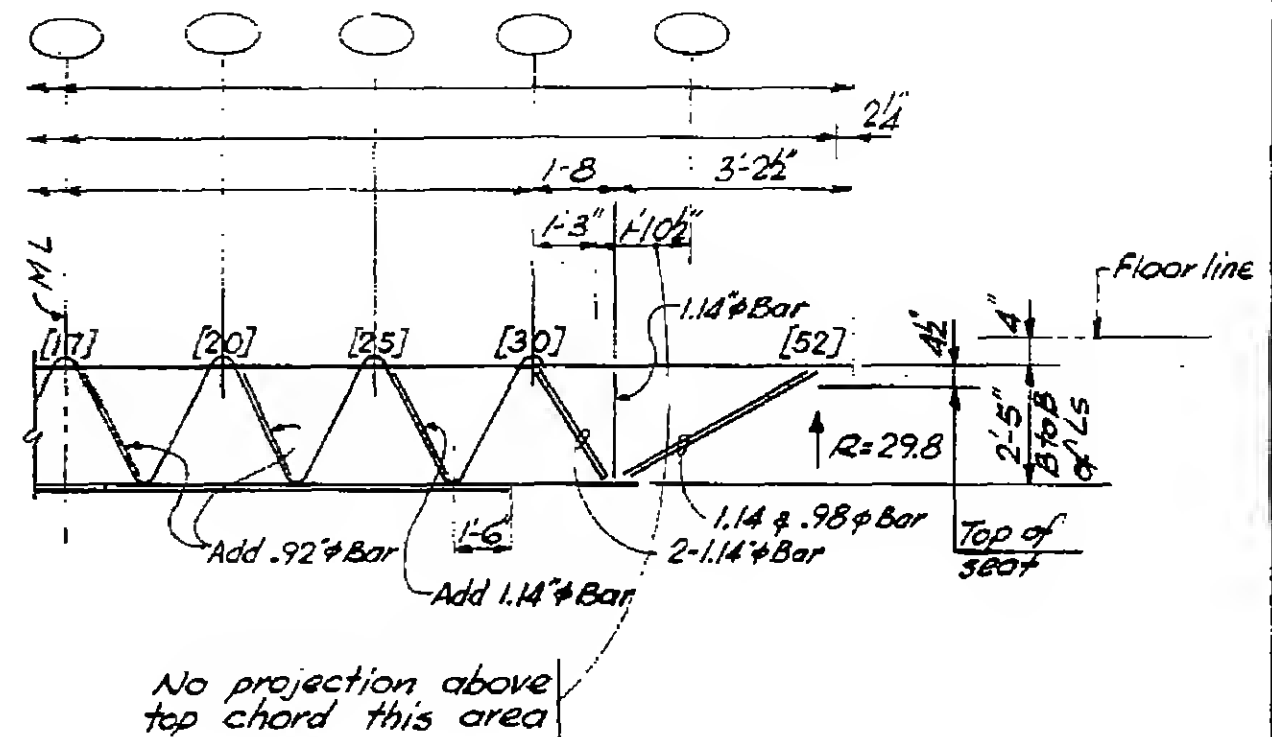
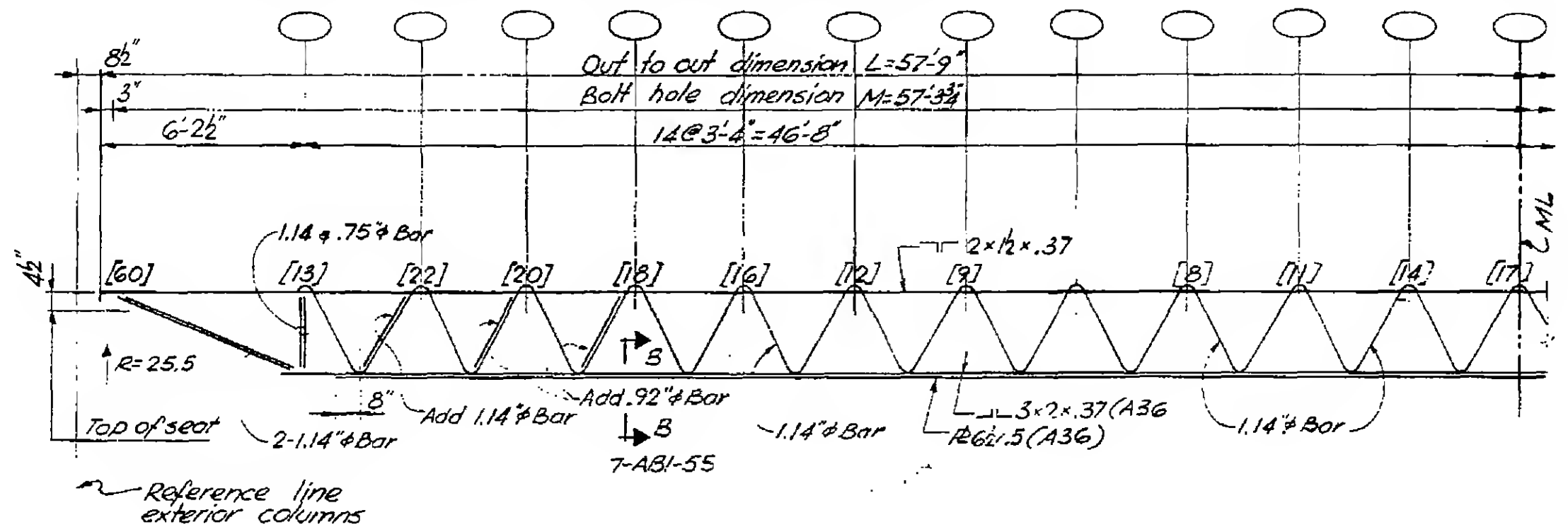
7-ABI-32

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32T37

DATE 1-6-69

REVISIONS



Elevation C32T37

7-AB1-33



DESIGNED

DRAWN

REVIEWED

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

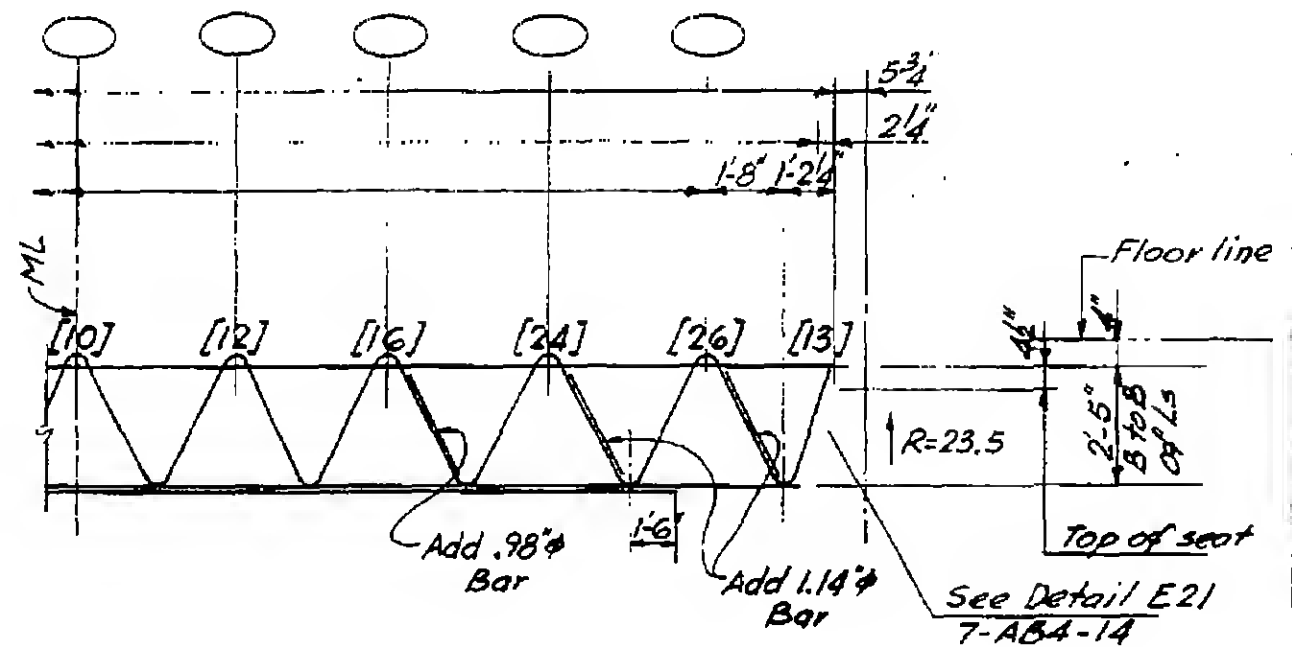
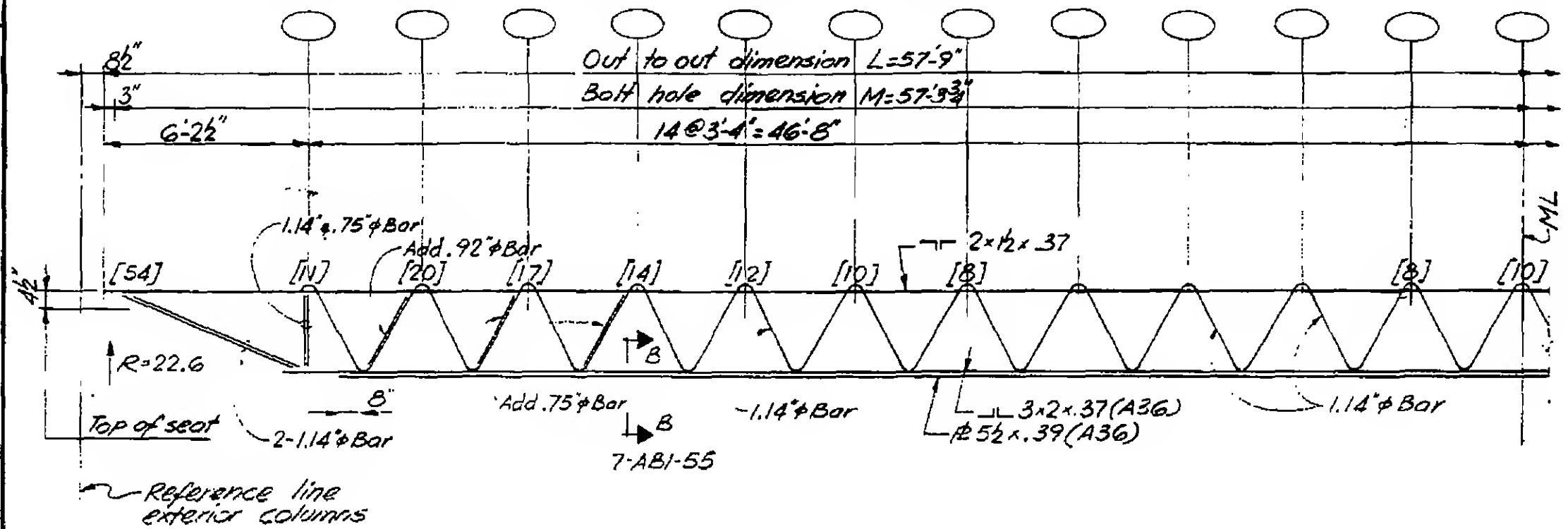
TITLE

FLOOR TRUSS C32T38

DATE

1-6-69

REVISIONS



Elevation C32T38

7-AB1-34



DESIGNED

DRAWN

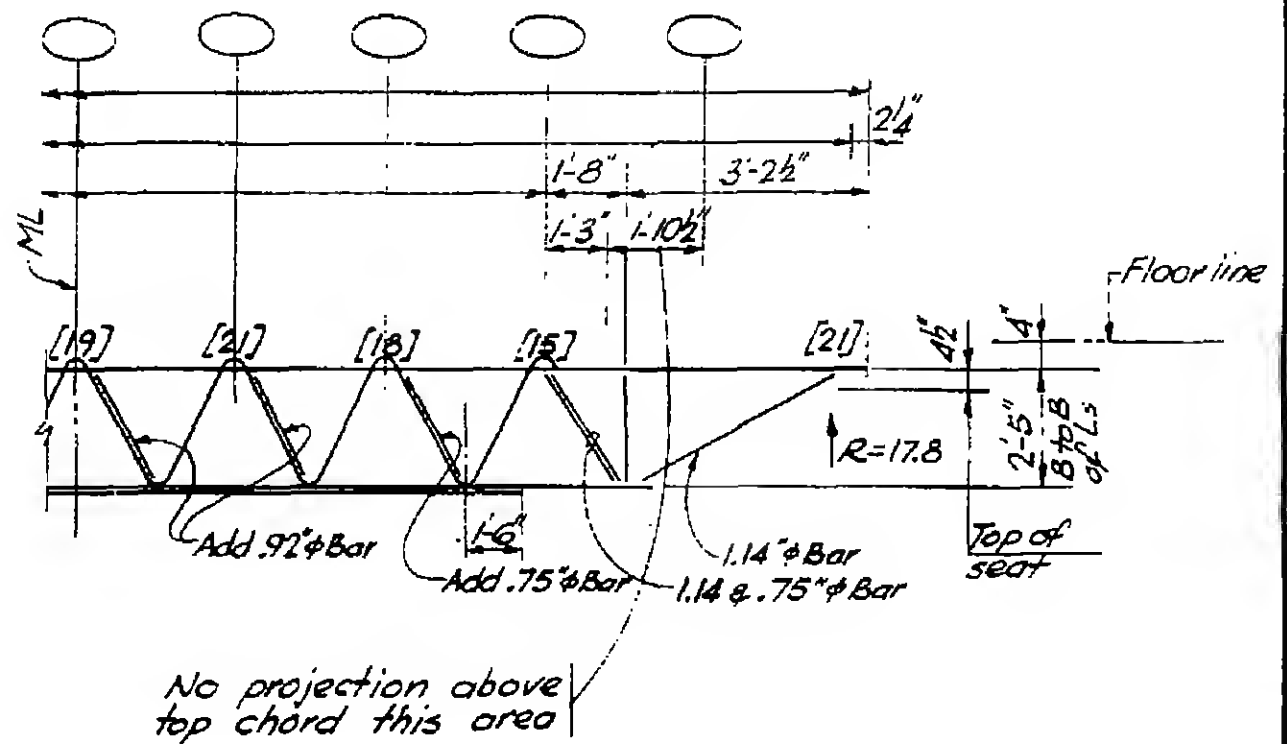
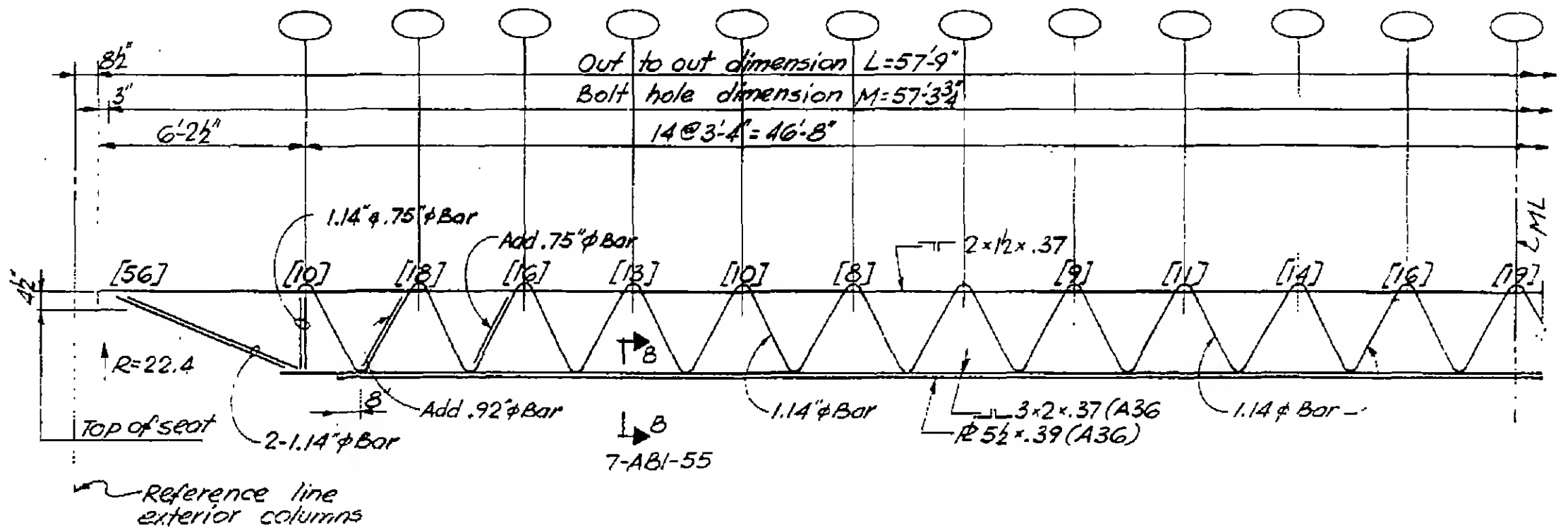
REVIEWED

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS C32T39

DATE 1-6-69

REVISIONS



Elevation C32T39

7-ABI-35



DESIGNED

DRAWN

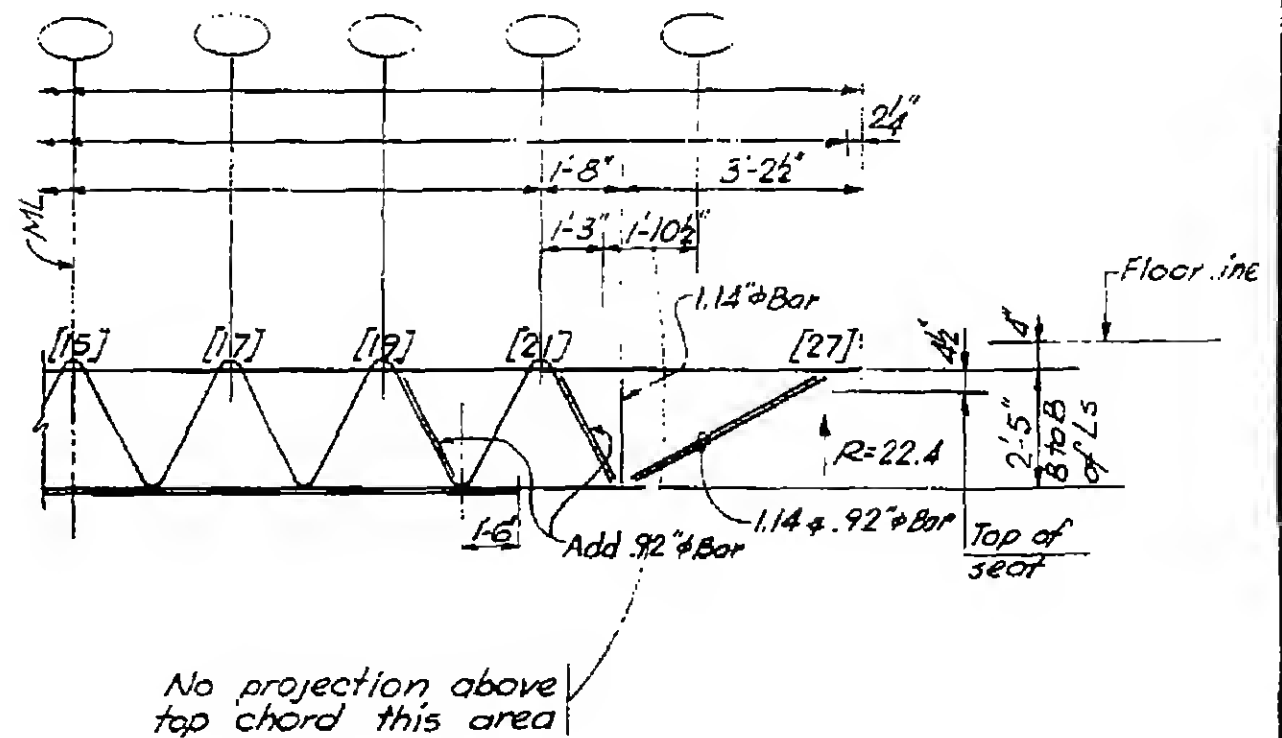
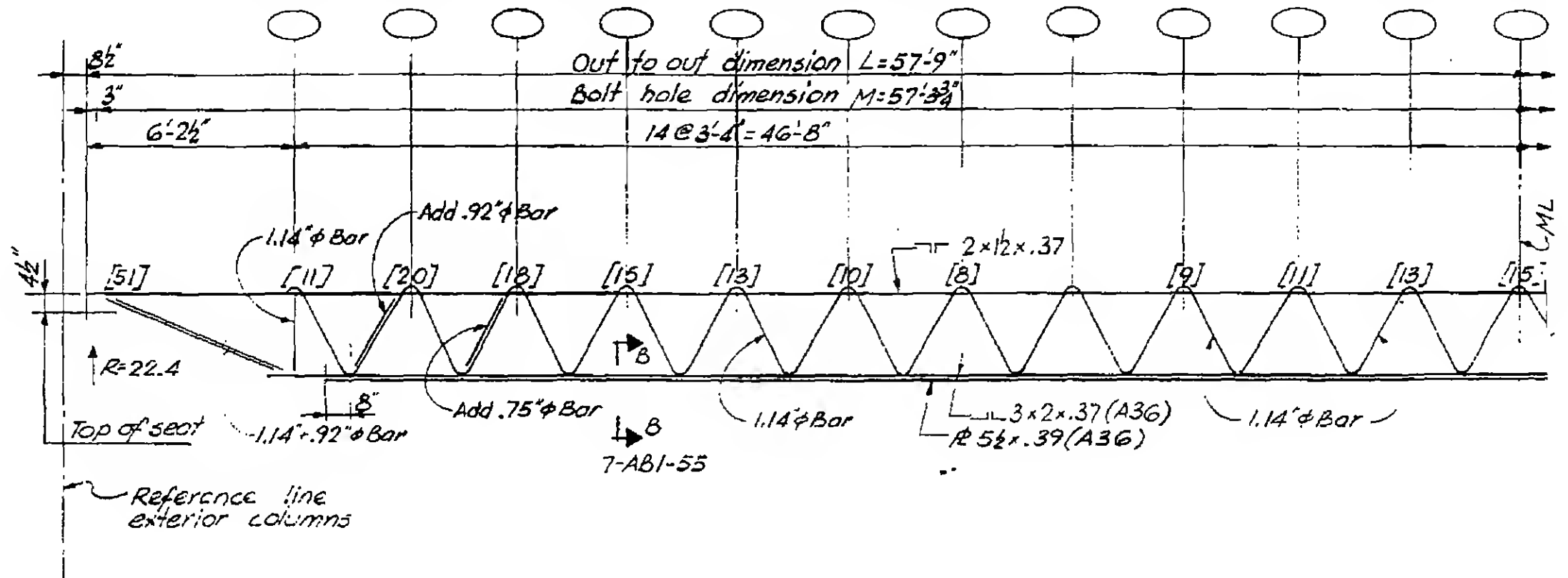
REVIEWED

PROJECT THE WORLD TRADE CENTER

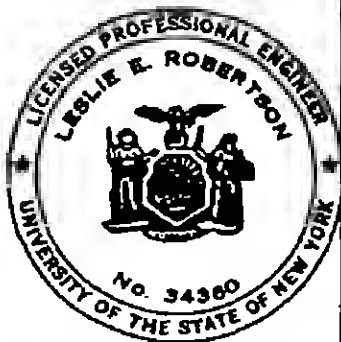
TITLE FLOOR TRUSS C32T40

DATE 1-6-69

REVISIONS



Elevation C32T40

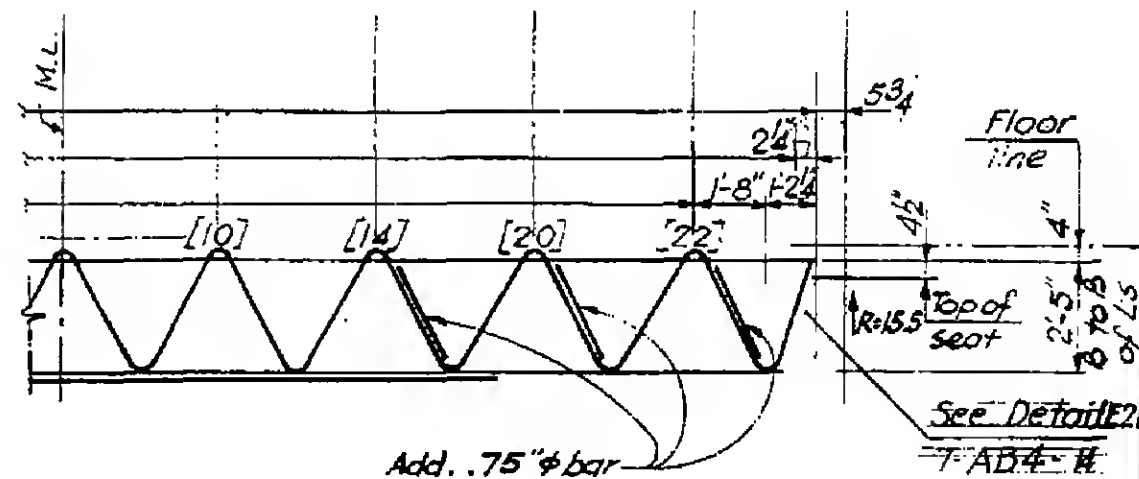
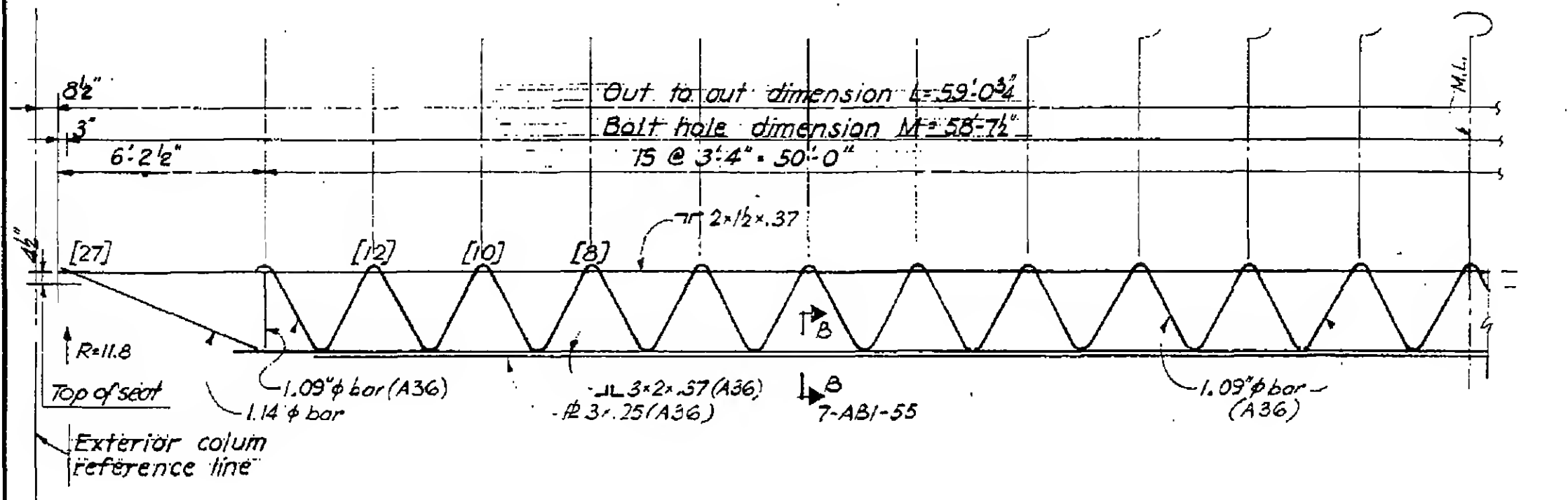


DESIGNED

DRAWN

REVIEWED

REVISIONS



Elevation C32T49

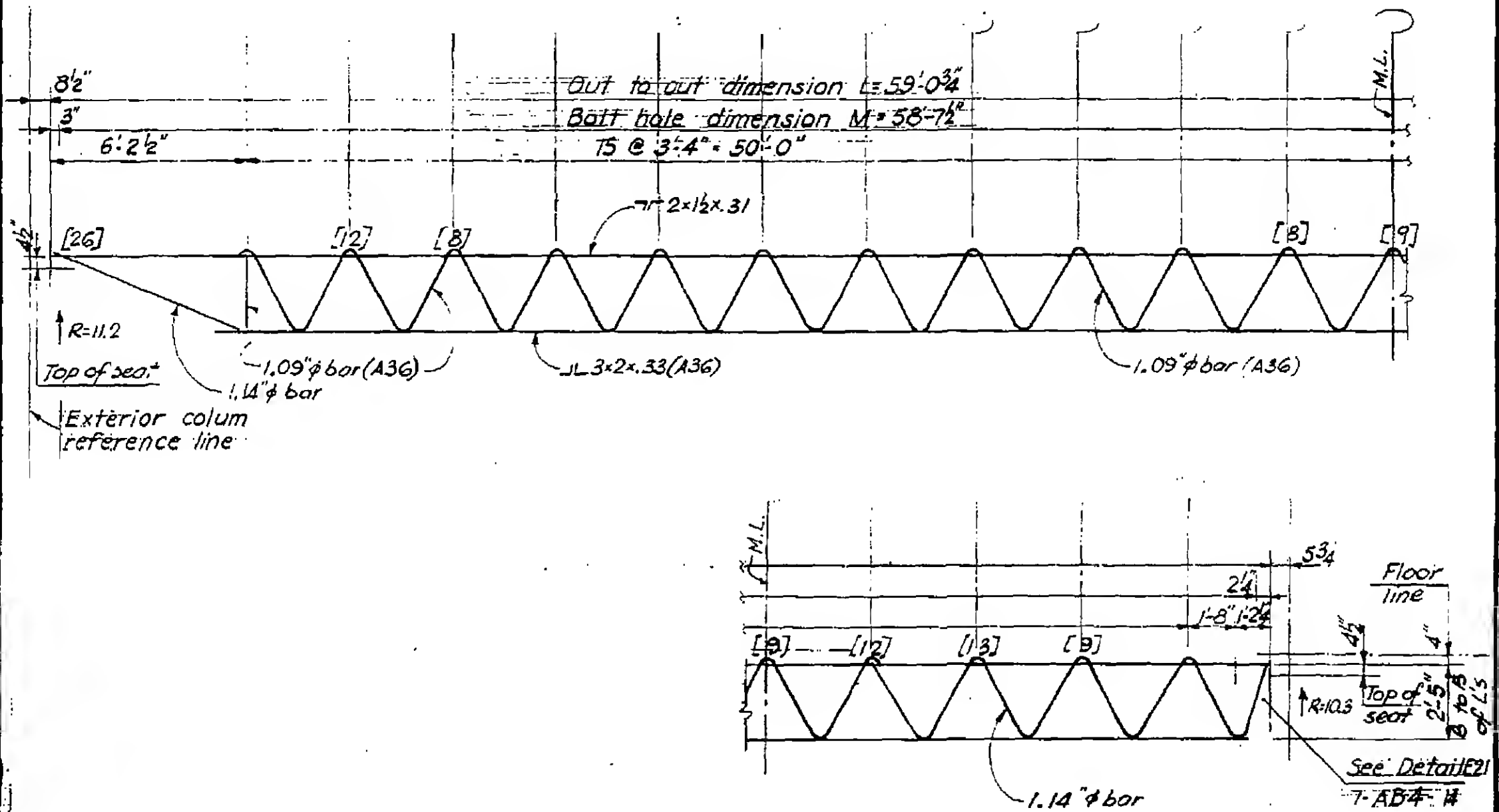
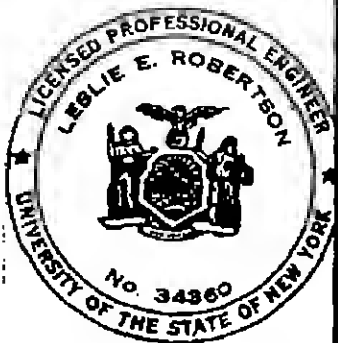


PROJECT THE WORLD TRADE CENTER

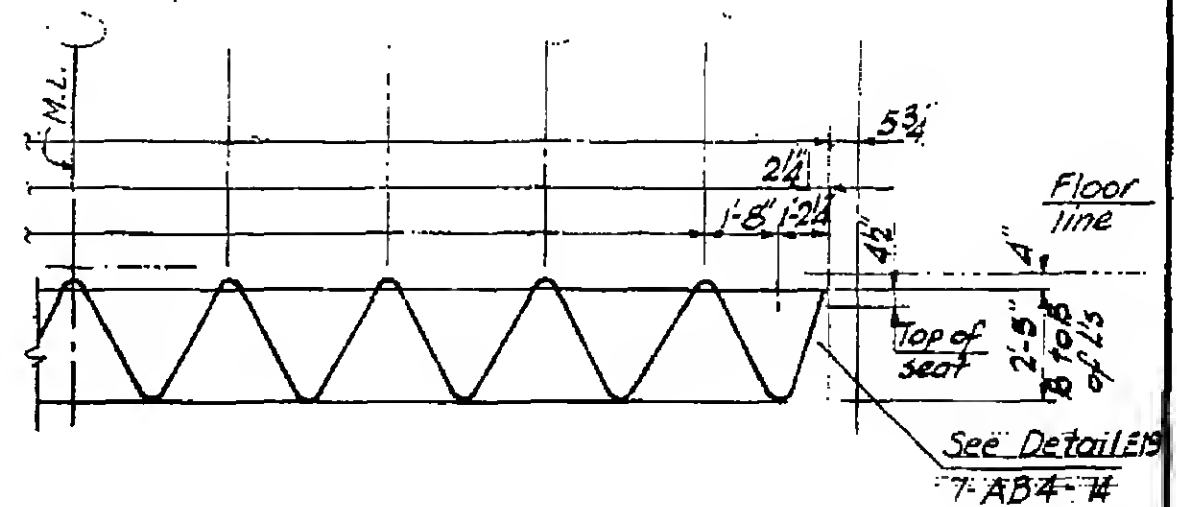
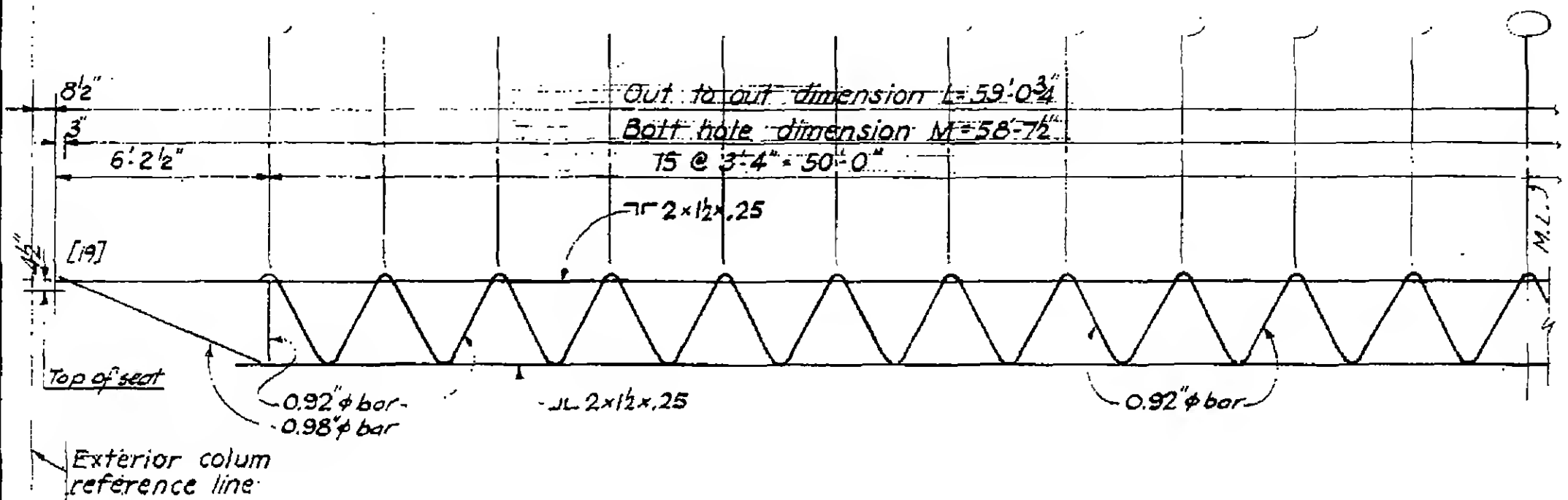
TITLE FLOOR TRUSS C32T50

DATE 11-25-68

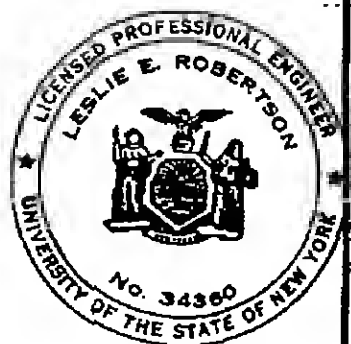
REVISIONS

Elevation C 32 T 50.

REVISIONS



Elevation C32T51

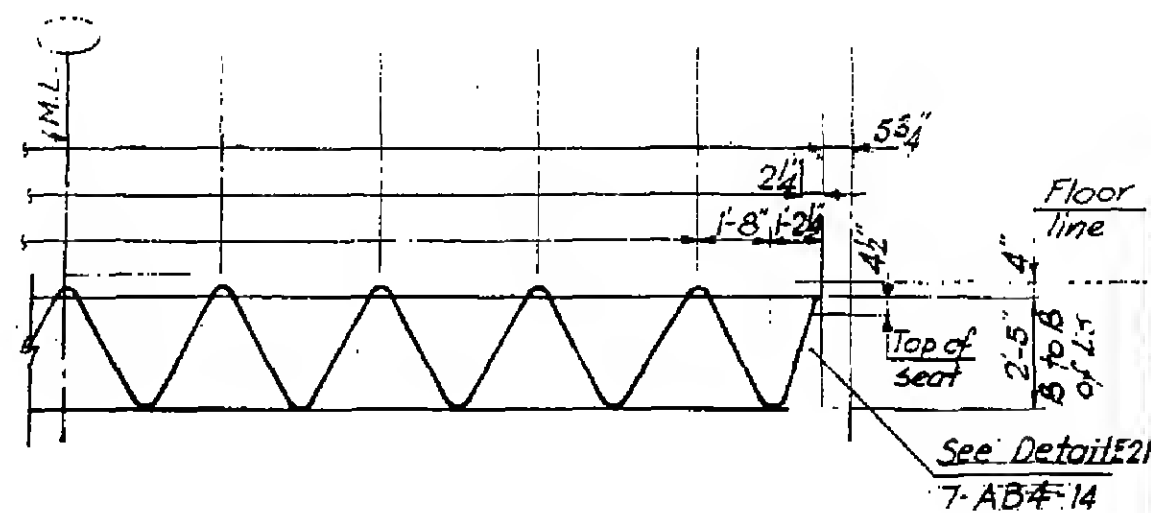
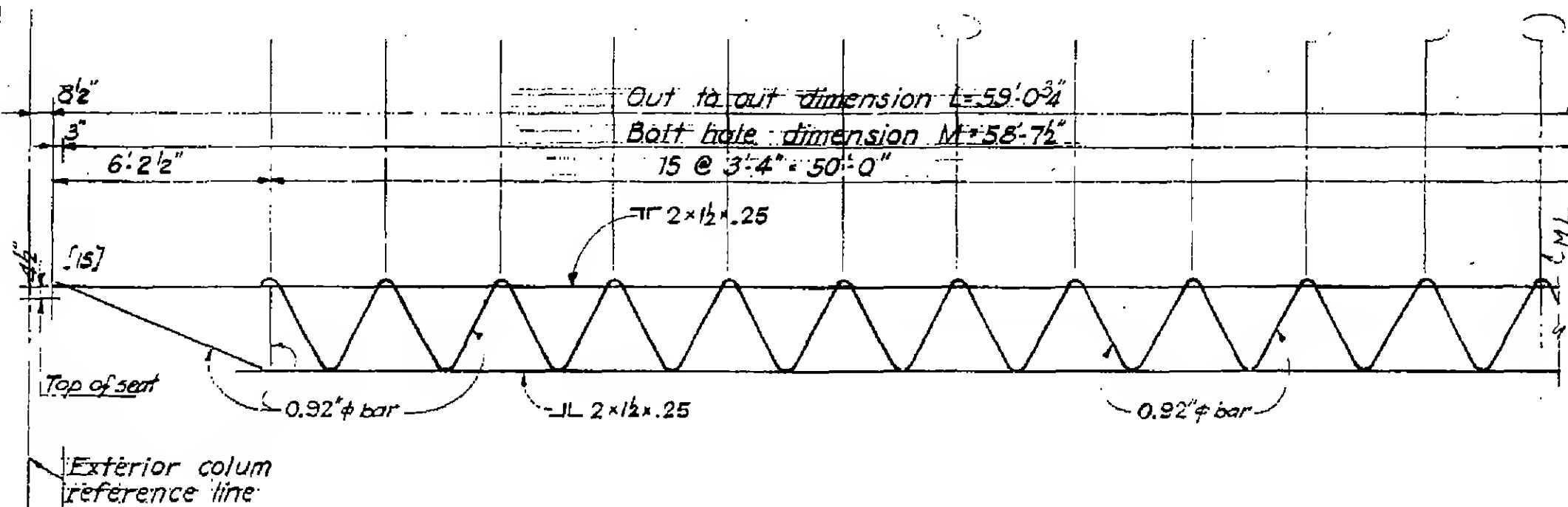
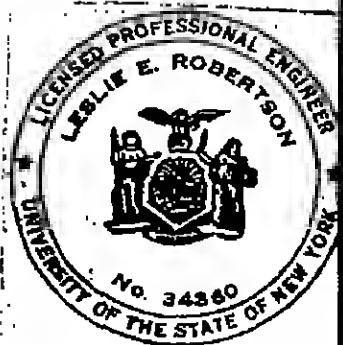


PROJECT THE WORLD TRADE CENTER

TITLE - FLOOR TRUSS C32T52

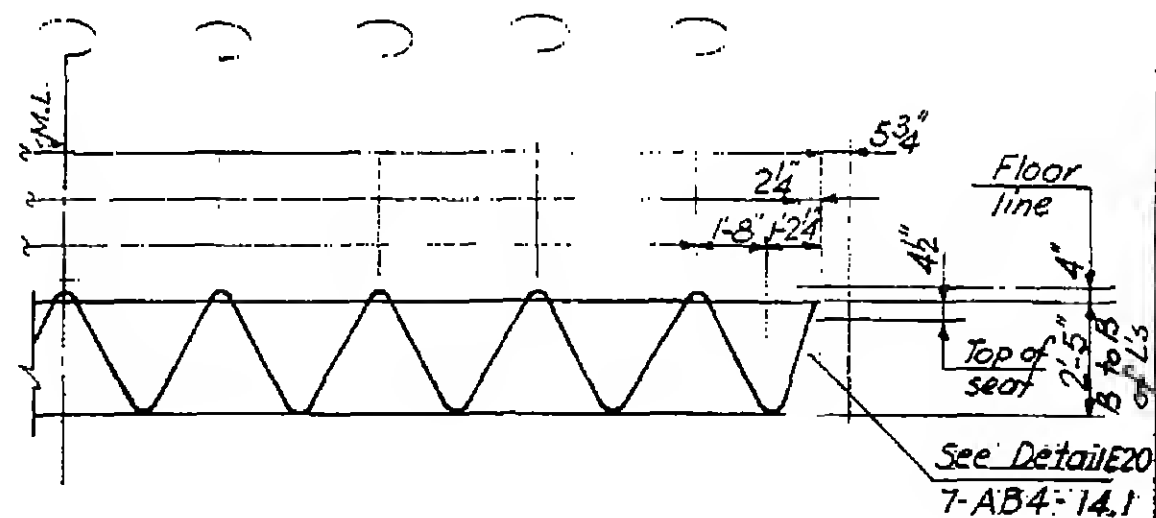
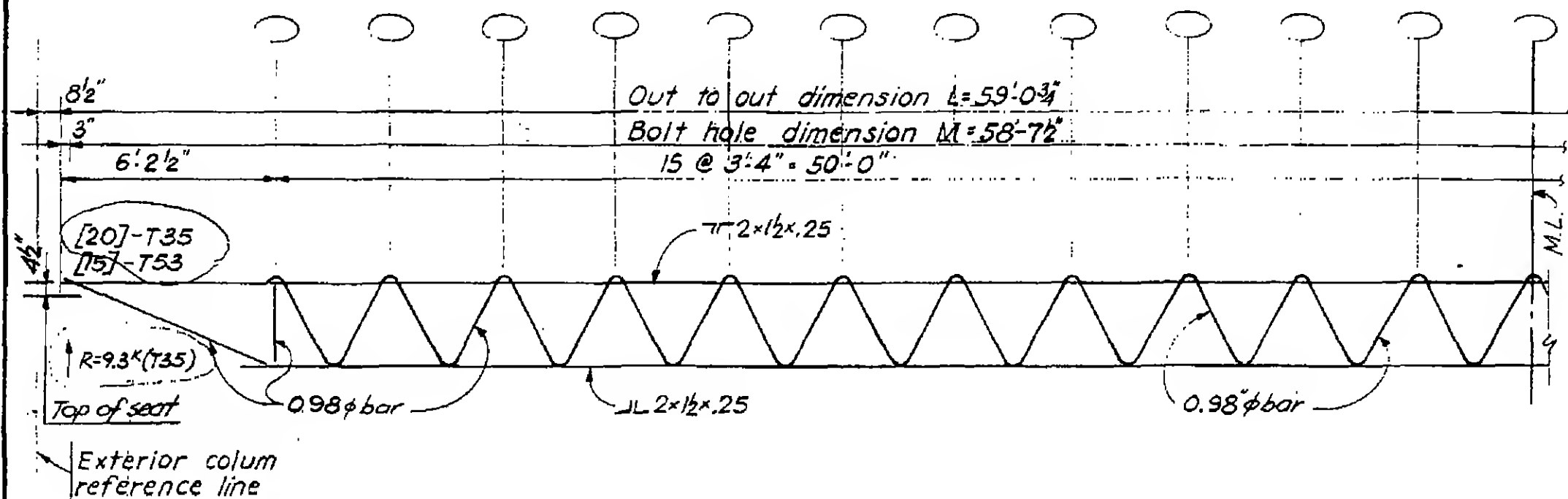
DATE 11-25-68

REVISIONS

Elevation C32T52

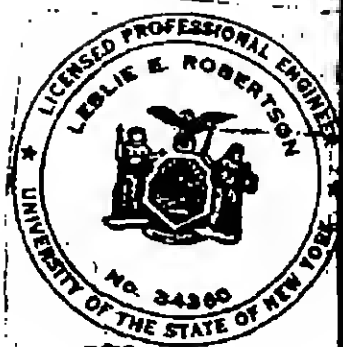
REVISIONS

1-6-69



Elevation C32.T53

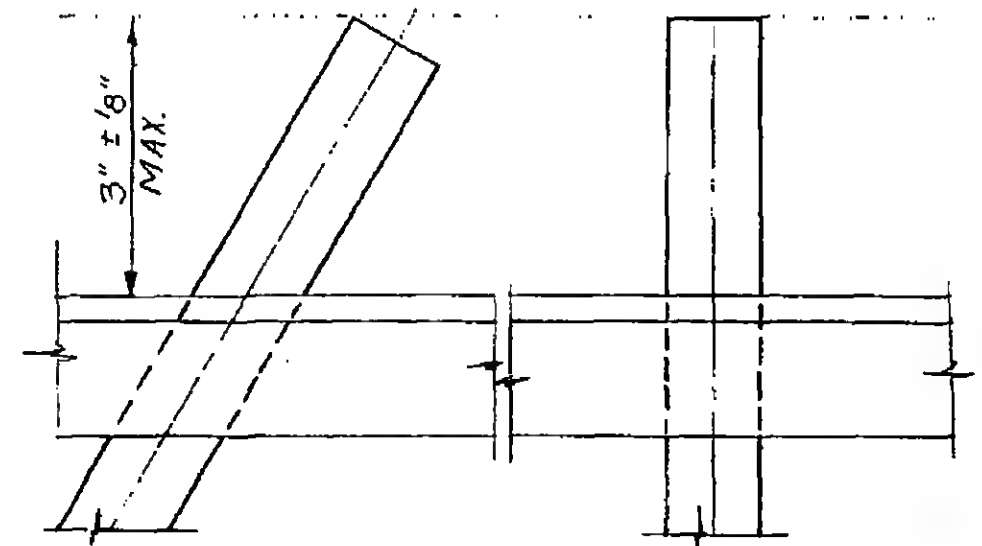
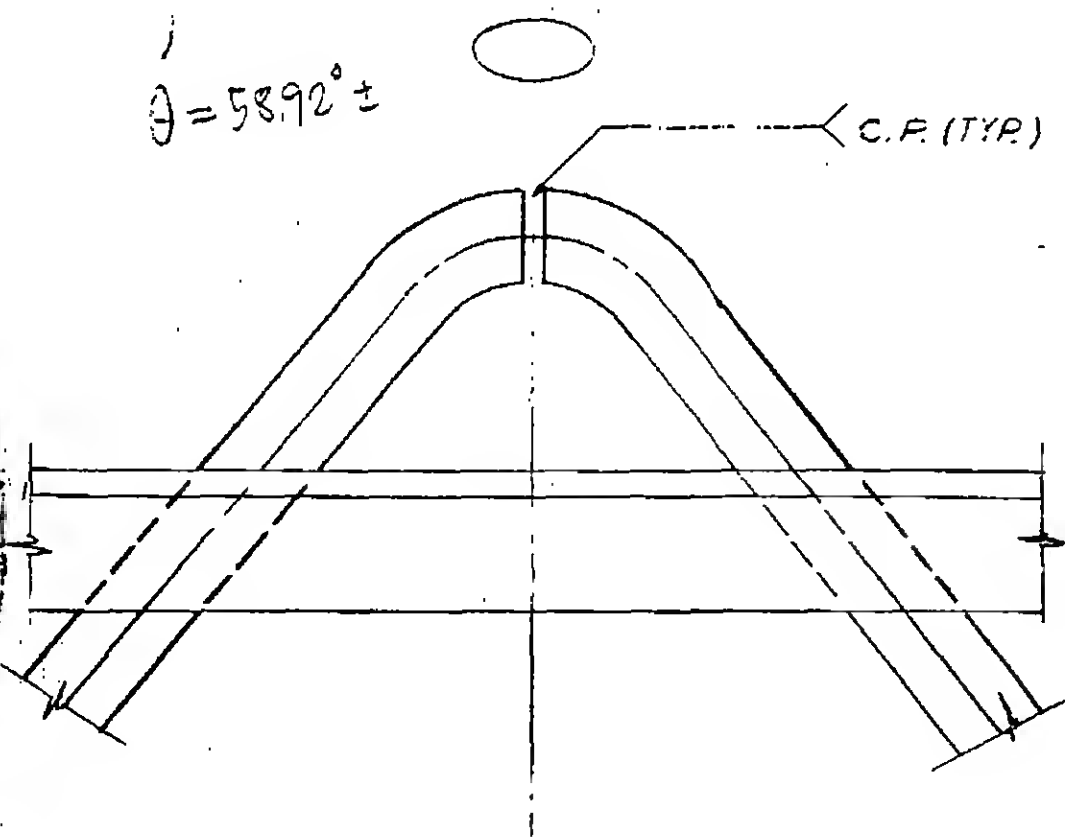
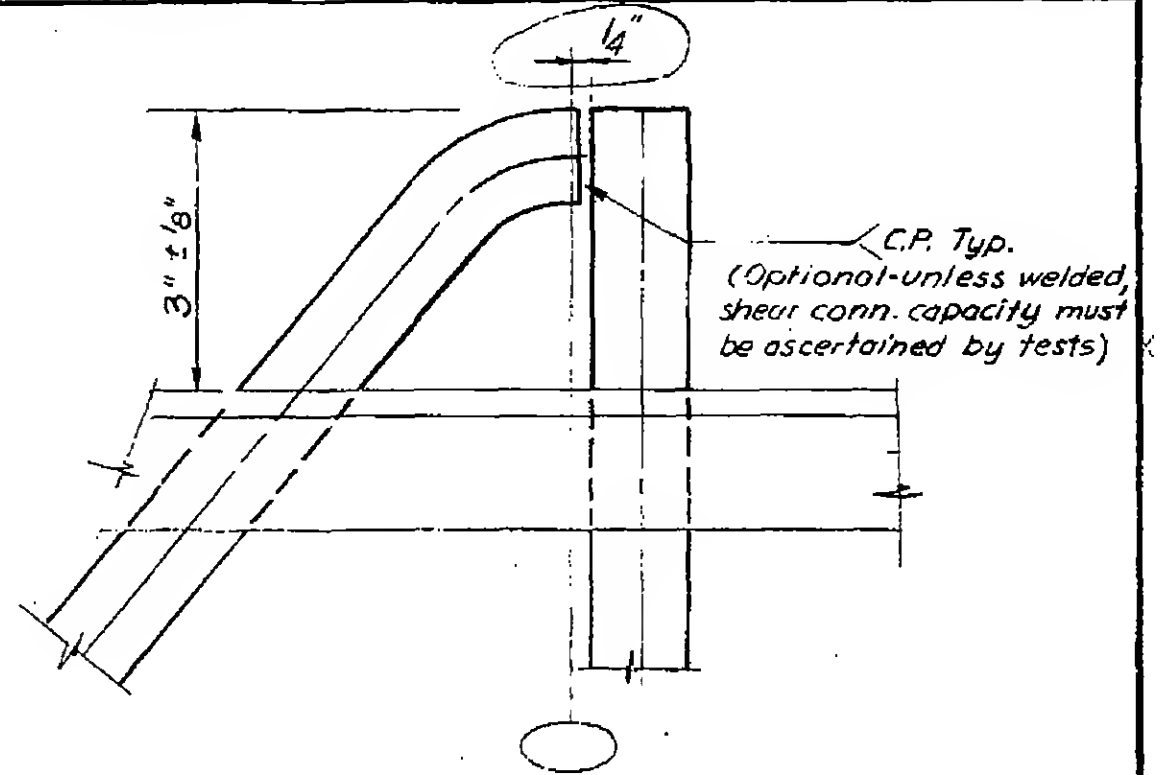
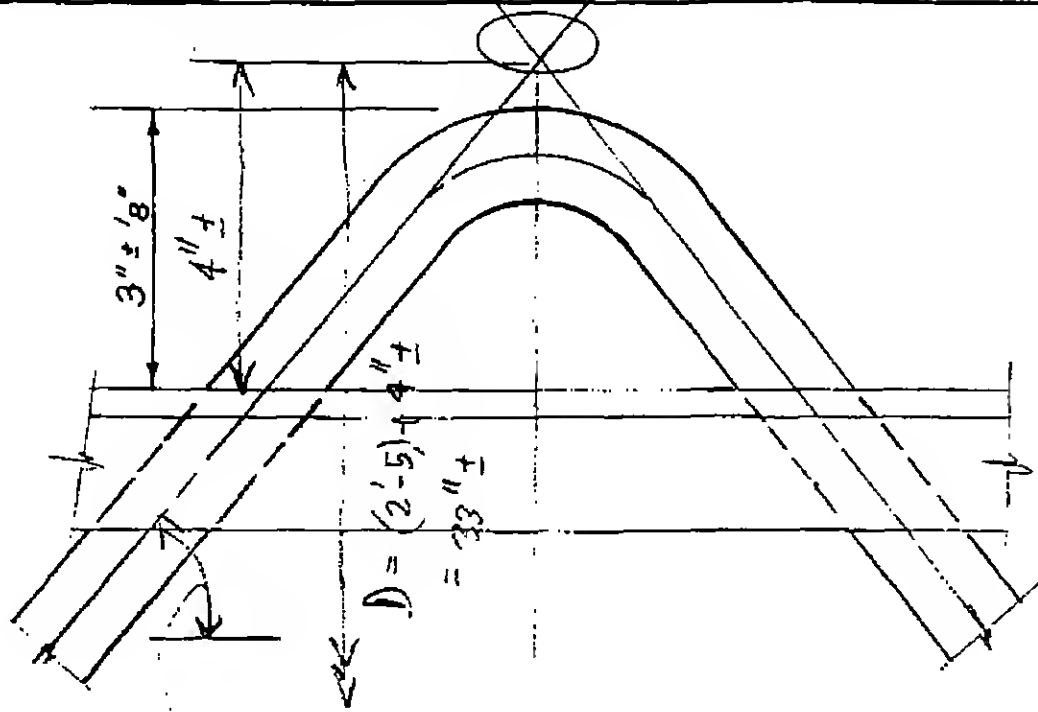
C32T35 Similar except as noted



REVISIONS

1-3-68

2-15-68



TOP CHORD - C32 TRUSSES



PROJECT

THE WORLD TRADE CENTER

TITLE

TYPICAL WEB DETAILS

DATE

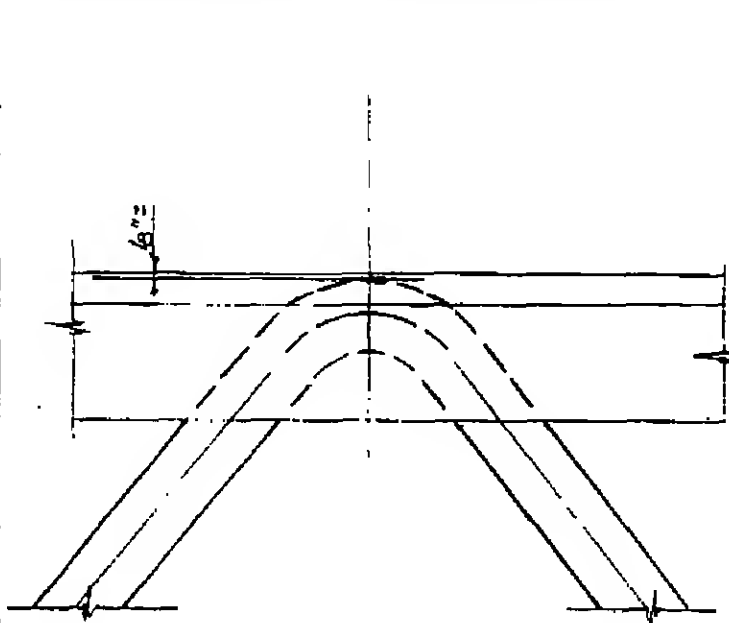
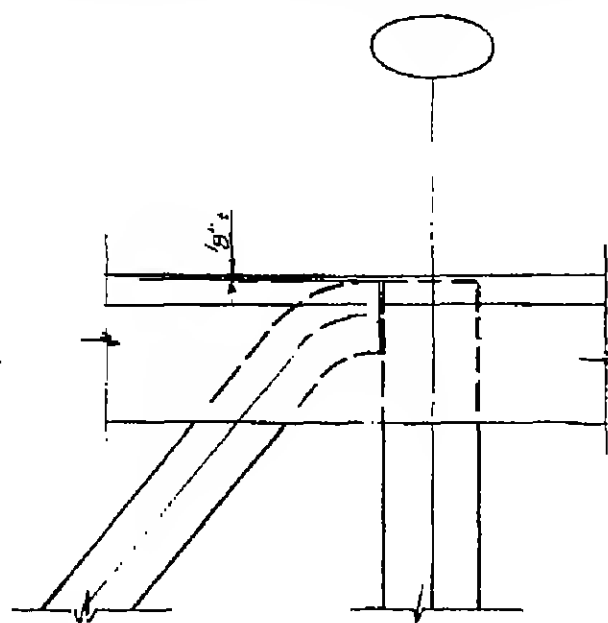
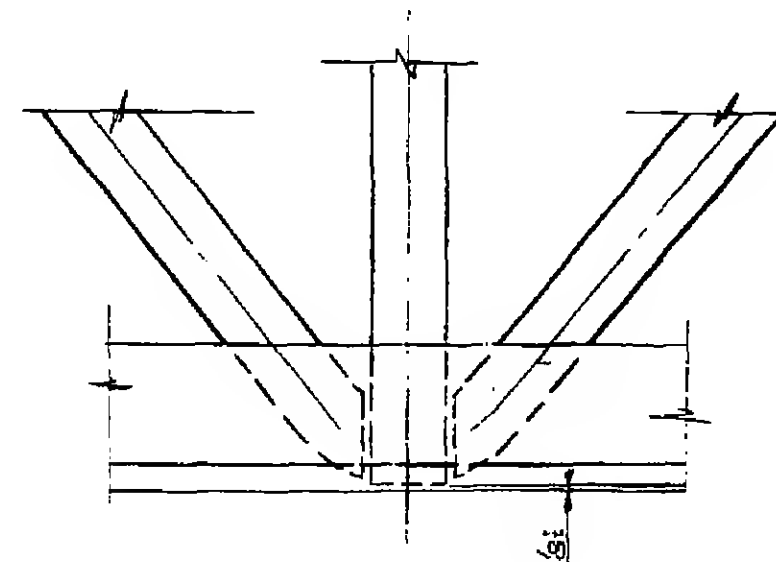
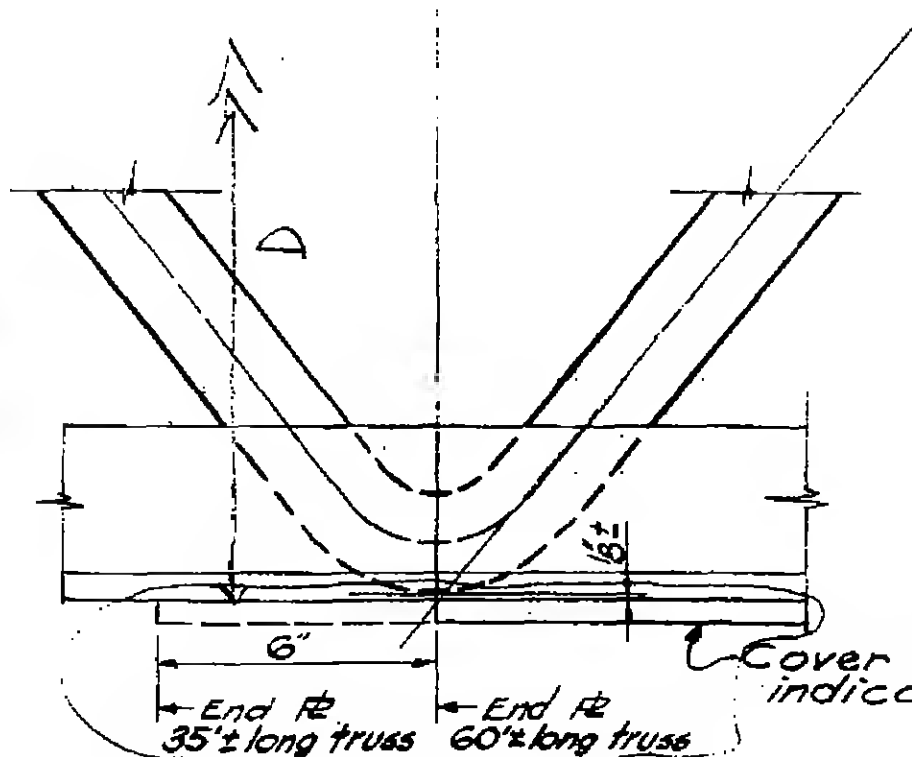
10-20-67

REVISIONS

1-3-68

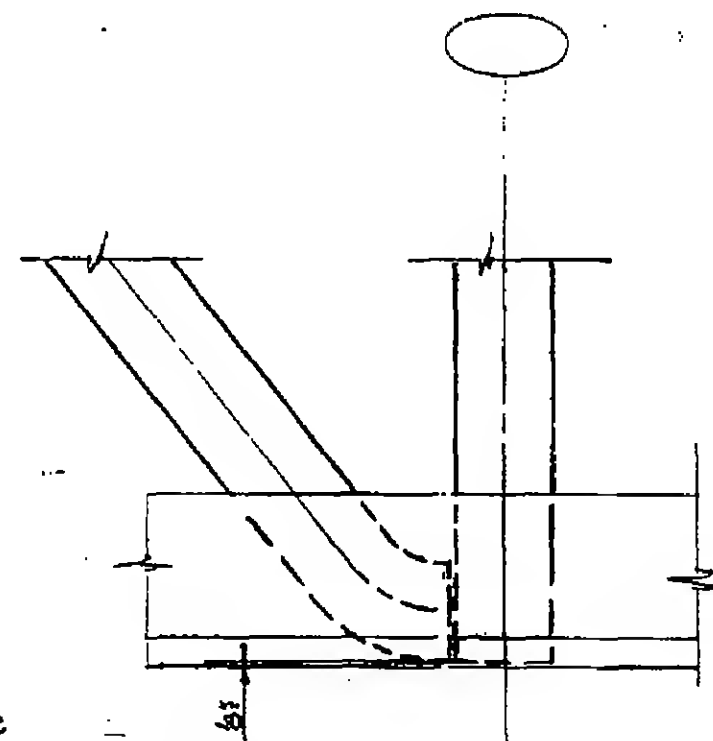
4-1-68

7-22-68

TOP CHORD - C24 & S24 TRUSSESTOP CHORD
C24 & S24 TRUSSESBOTTOM CHORD
C24 & S24 TRUSSES
(Where applicable)BOTTOM CHORD - C32 TRUSSES

C24 & S24 TRUSSES (Where applicable)

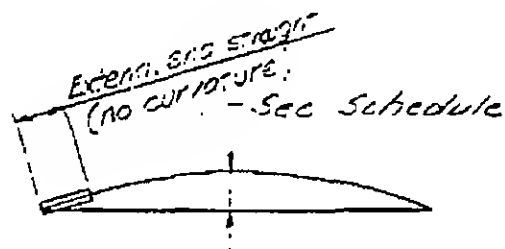
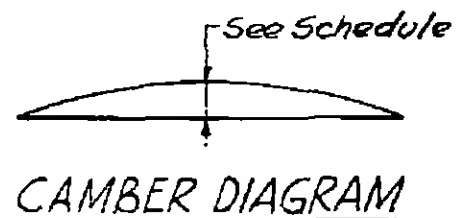
Cover 1/2 where indicated

BOTTOM CHORD - C32, C24 & S24
TRUSSES

PROJECT THE WORLD TRADE CENTERTITLE FLOOR TRUSSES - CAMBERSDATE 2-15-68

REVISIONS

4-15-68
 8-1-68
 8-15-68
 10-4-68
 11-25-68
 1-6-69



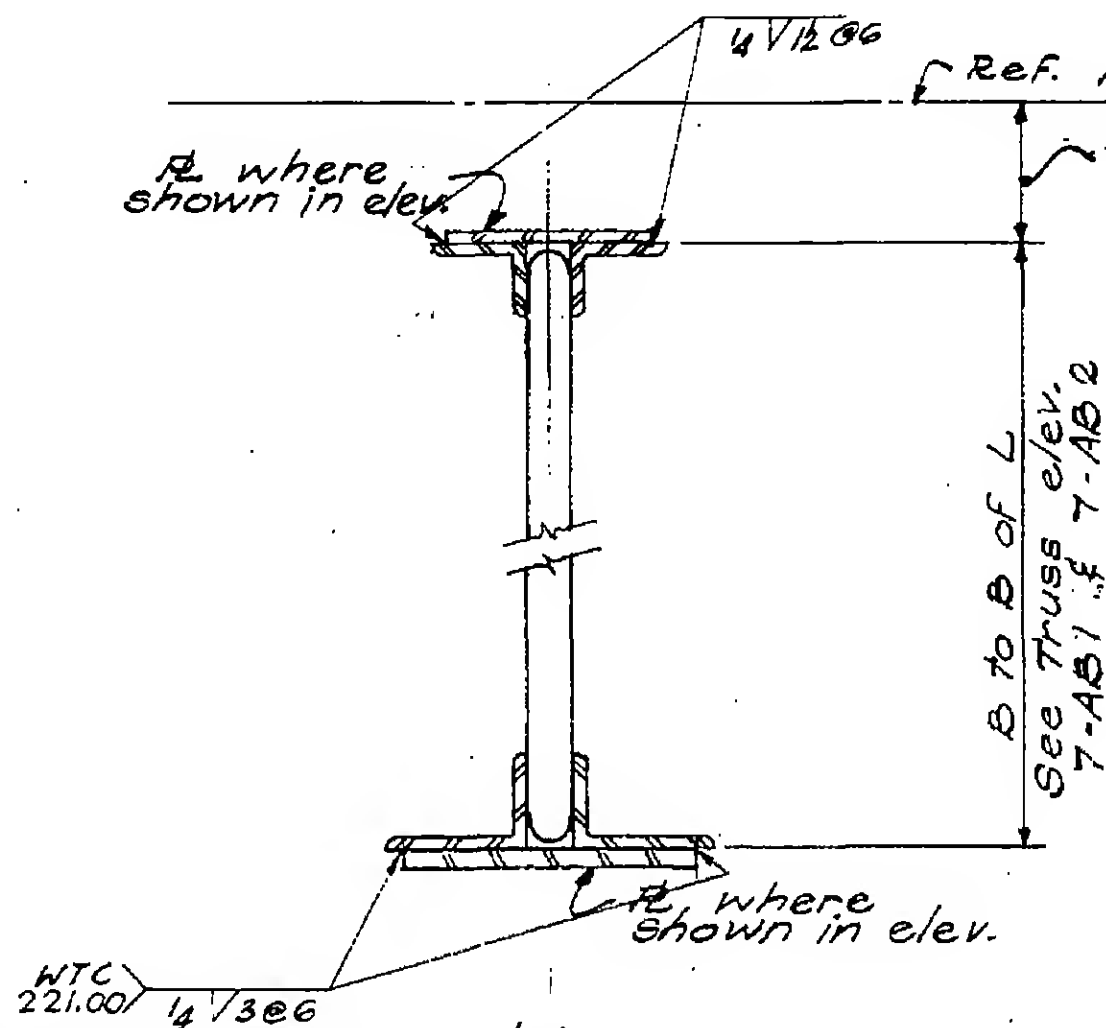
CAMBER DIAGRAM
 C32T14 thru C32T26

Truss No	Camber at midspan(in)	Truss No	Camber at midspan(in)
C32T1	2	C32T27	1 ⁵ / ₁₆
C32T2	2 ¹ / ₁₆	C32T28	1 ⁵ / ₁₆
C32T3	2 ¹ / ₁₆	C32T29	1 ⁷ / ₈
C32T4	3 ³ / ₄	C32T30	1 ⁷ / ₈
C32T5	3 ³ / ₈	C32T31	2
C32T6	1 ⁵ / ₁₆	C32T32	2
C32T7	2 ¹ / ₁₆	C32T33	1 ³ / ₄
C32T8	2	C32T34	1 ⁵ / ₁₆
C32T9	1 ⁵ / ₁₆	C32T35	3 ³ / ₄
C32T10	1 ¹ / ₁₆	C32T36	2 ¹ / ₄
C32T11	1 ⁵ / ₁₆	C32T37	2 ¹ / ₄
C32T12	1 ¹ / ₄	C32T38	2 ¹ / ₈
C32T13	7 ¹ / ₁₆	C32T39	2
C32T14	2	C32T40	2
C32T15	2 ¹ / ₁₆		
C32T16	2 ¹ / ₁₆		
C32T17	2		
C32T18	2 ¹ / ₁₆		
C32T19	1 ⁵ / ₁₆		
C32T20	1 ¹ / ₁₆		
C32T21	1 ³ / ₈		
C32T22	1 ³ / ₁₆		
C32T23	3 ³ / ₈		
C32T24	5 ¹ / ₁₆		
C32T25	1 ¹ / ₂		
C32T26	7 ¹ / ₈		
C32T49	2		
C32T50	1 ⁷ / ₈		
C32T51	1 ¹ / ₁₆		
C32T52	1 ¹ / ₄		
C32T53	1 ¹ / ₁₆		



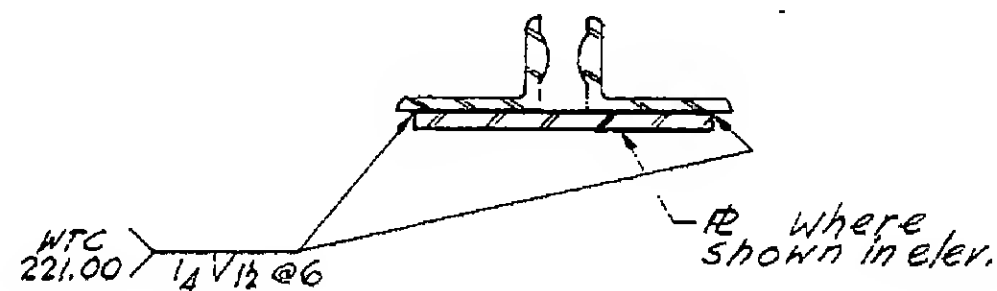
REVISIONS

7-22-68
10-15-68



Section A-A

NOTE: Continuous welds to be provided at ends of plates at top and bottom chords and at intersections with 32T truss at top chords.



Section B-B

NOTE: Provide continuous welds
at ends of plates



7-AB1-55

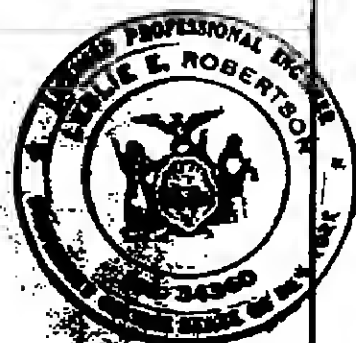
REVISIONS

1-3-68
1-26-68
2-15-68
4-1-68
8-1-68
8-15-68
10-4-68
1-3-69
1-6-69
2-3-69
3-3-69
4-1-69
Printed 5-1-69

7-AB2- 1	Floor Trusses - Index & General Notes
7-AB2- 2	Floor Truss 24T7, 24T7A, 24T7B
7-AB2- 3	Floor Truss 24T8, 24T8A, 24T8B
7-AB2- 4	Floor Truss 24T9, 24T9A
7-AB2- 5	Floor Truss 24T10, 24T10A, 24T10B
7-AB2- 6	Bridging 24T11, 24T11A,
7-AB2- 7	Bridging 24T12,
7-AB2- 8	Bridging 24T13, 13A, 13B, 13C,
7-AB2- 8.1	Void
7-AB2- 9	Floor Truss 24T14, 14B
7-AB2- 10	Floor Truss 24T15,
7-AB2- 11	Floor Truss 24T16,
7-AB2- 12	Floor Truss 24T7C, 24T7D, 24T7E
7-AB2- 13	Floor Truss 24T10C, 24T10D, 24T10E
7-AB2- 14	Floor Truss 24T14A, 24T15A, 24T16A
7-AB2- 15	Floor Truss 24T11B, 24T11C, 24T13D
7-AB2- 16	Floor Truss 24T7F, 24T7G, 24T7H
7-AB2- 17	Floor Truss 24T16B, 24T16C
7-AB2- 18	Floor Truss 24T10F, 24T10G, 24T10H
7-AB2- 19	Floor Truss 24T8C, 24T8D, 24T8E
7-AB2- 20	Floor Truss 24T10J, 24T10K, 24T10L

GENERAL NOTES

1. All material, including detail material not shown on these dwgs., to be $F_y = 50$ unless otherwise noted.
2. All floor truss angles have short legs vertical.
3. Horizontal shear forces between truss panel points and the composite concrete slab are indicated [] in the truss elevations. Where no shear force is given, the connection shall be proportioned for a force of 5 Kips ([5]). See Dwg. 7-AB1-1 for additional notes for additional shear forces.
4. See Dwg. 7-AB1-1 for notes regarding the joint occurrence of longitudinal and transverse horizontal shear force.
5. Chord stresses are indicated in truss elevations as "P = ". Where no force is given each truss chord splice connection shall be proportioned for a minimum force of 23 Kips ($P = 23$).
6. Vertical shear forces between adjacent panels are indicated in truss elevations as "V = ". Where no force is given, shear transfer connection shall be proportioned for a minimum force of 5 Kips ($V = 5$). Connections shall be proportioned for a shear force of both positive sign and negative sign.
7. Contractor shall supply representative calculations and/or test results for each connection proportioned by the Contractor. All connections, details and the like are subject to approval by the Engineer.
8. End reactions of each truss are indicated in truss elevations as "R = ". Where no force is given, end connections shall be proportioned for a minimum reaction of 9 Kips ($R = 9$).
9. Truss shear, indicating minimum requirements for each truss web member, is tabulated across the bottom of the truss elevations. Where no shear is given, web members and their connections shall be proportioned for a minimum shear of 2.2 Kips.



PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR TRUSS

24 T7, TA & 7B

DATE

10-20-67

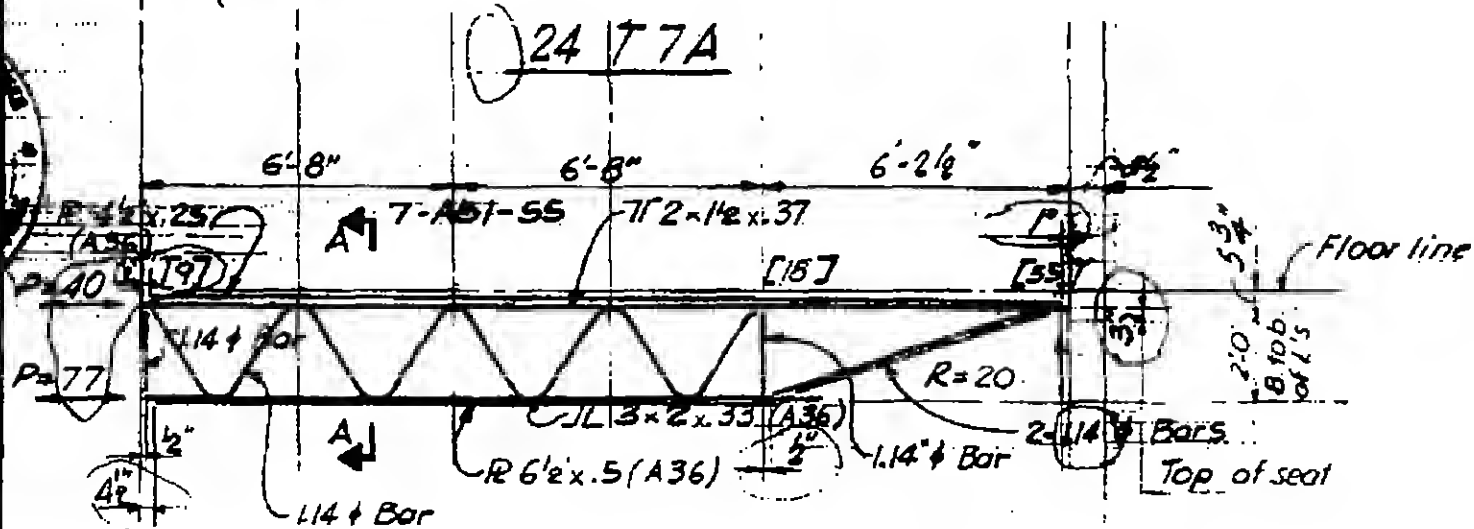
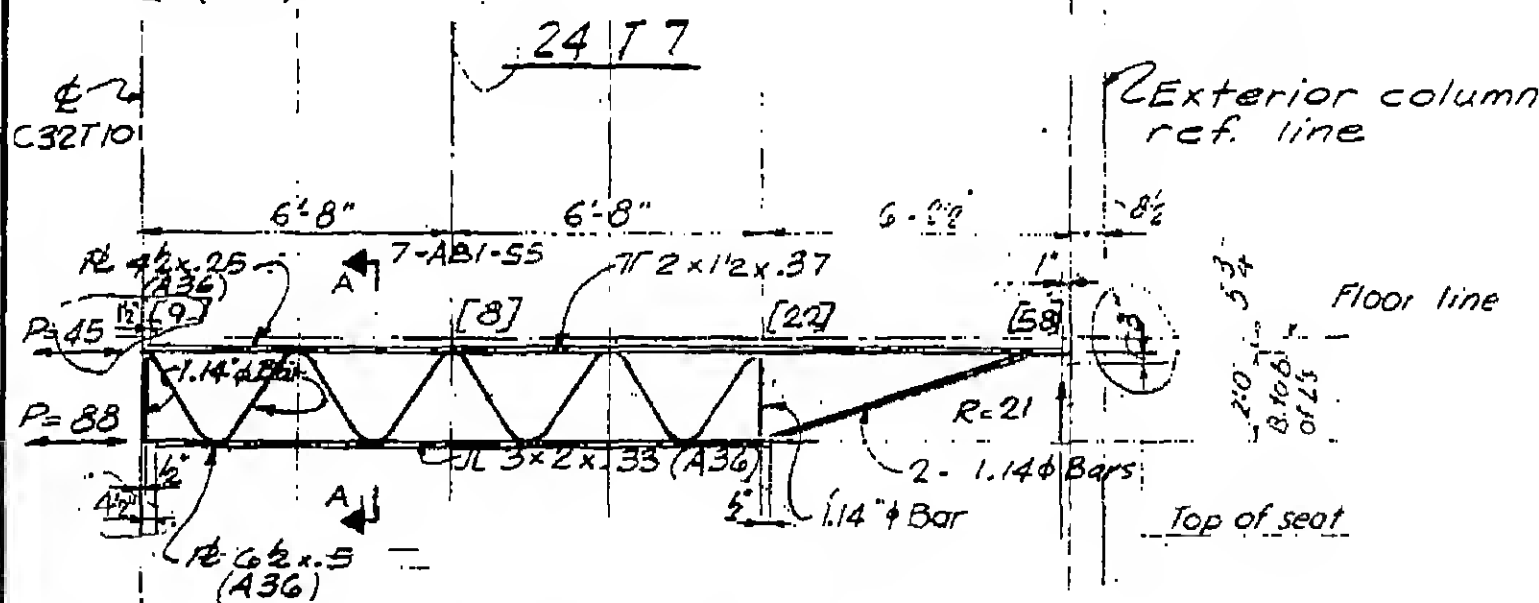
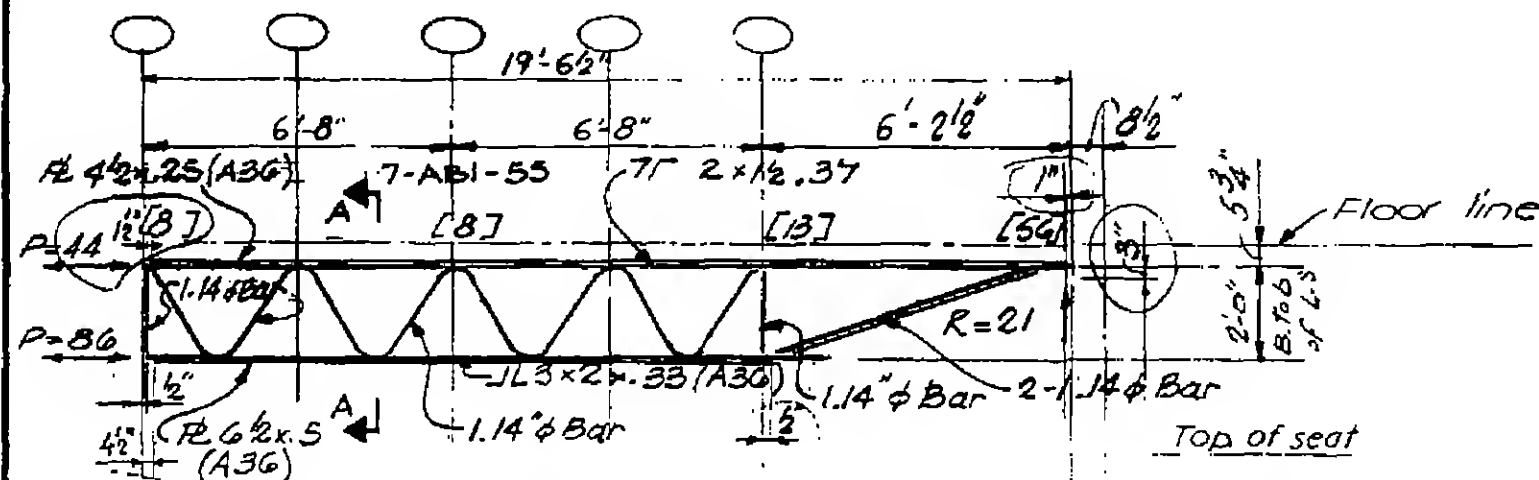
REVISIONS

1-2-68

1-26-68

4-1-68

7-22-68



PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR TRUSS

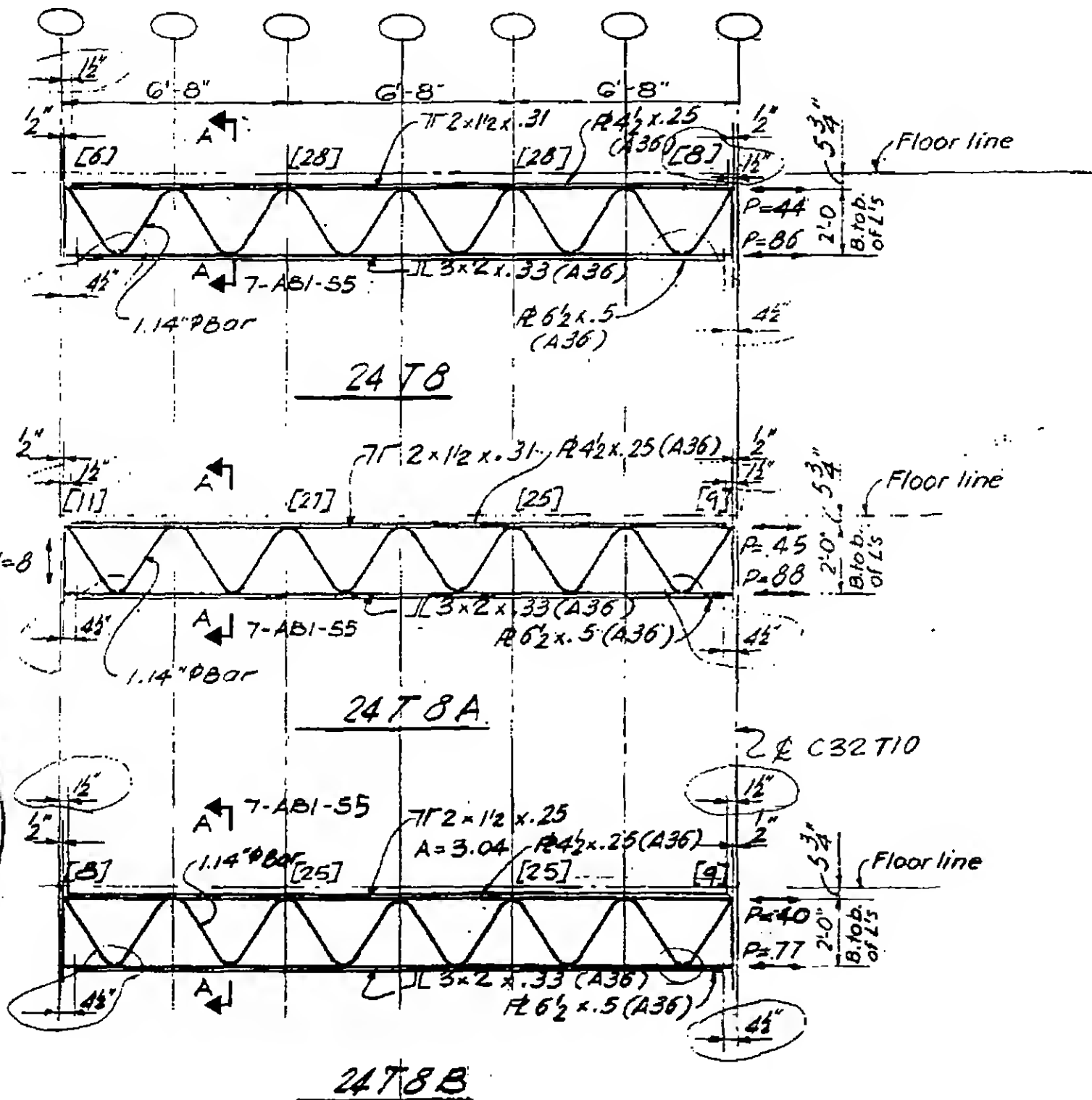
24T-8, 8A & 8B

DATE

10-20-67

REVISIONS

1-3-68
 1-26-68
 4-1-68
 4-15-68
 7-22-68



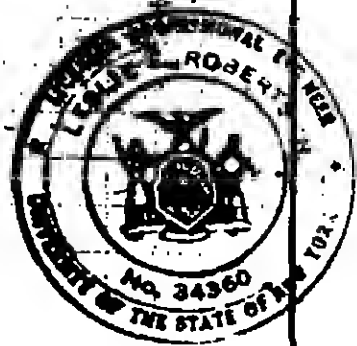
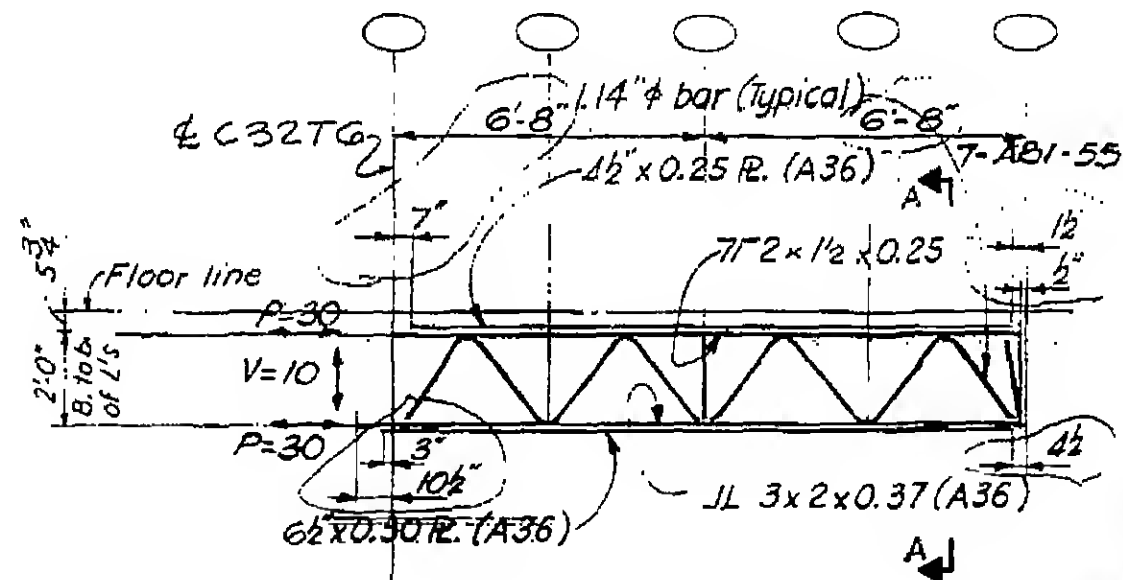
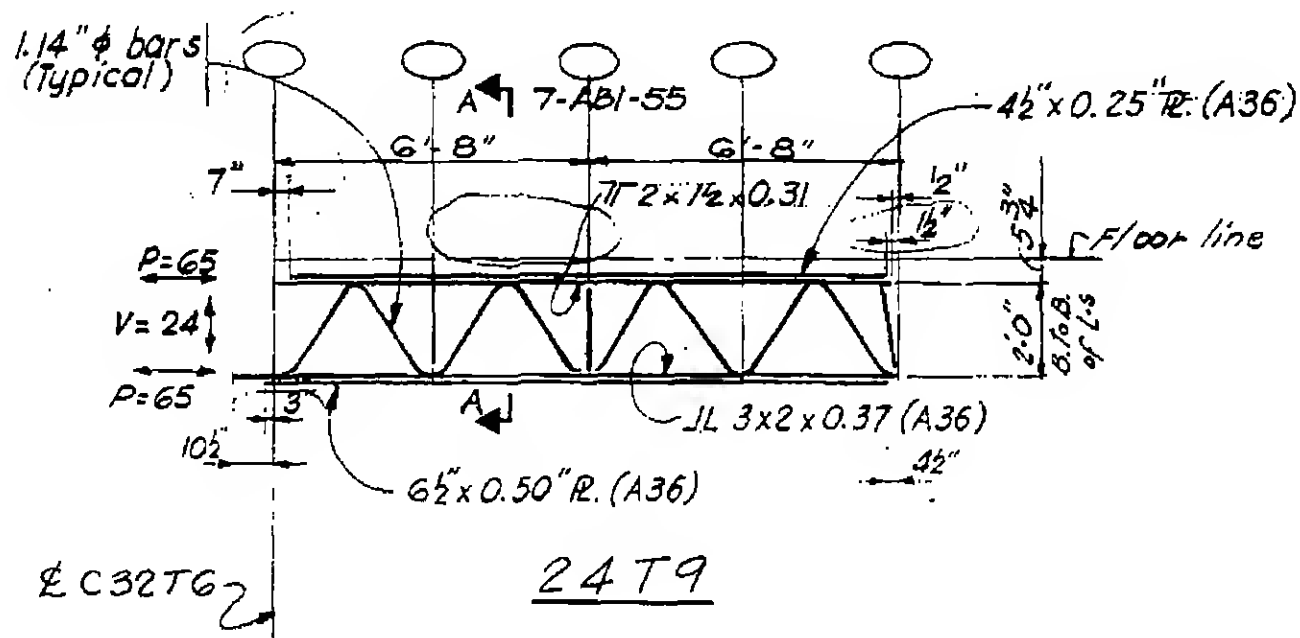
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS 24 T9 F9A

DATE 10-20-67

REVISIONS

1-3-68
1-26-68
4-1-68
7-22-68



PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR TRUSS 24T 10, 10A, 10B

DATE

10-20-67

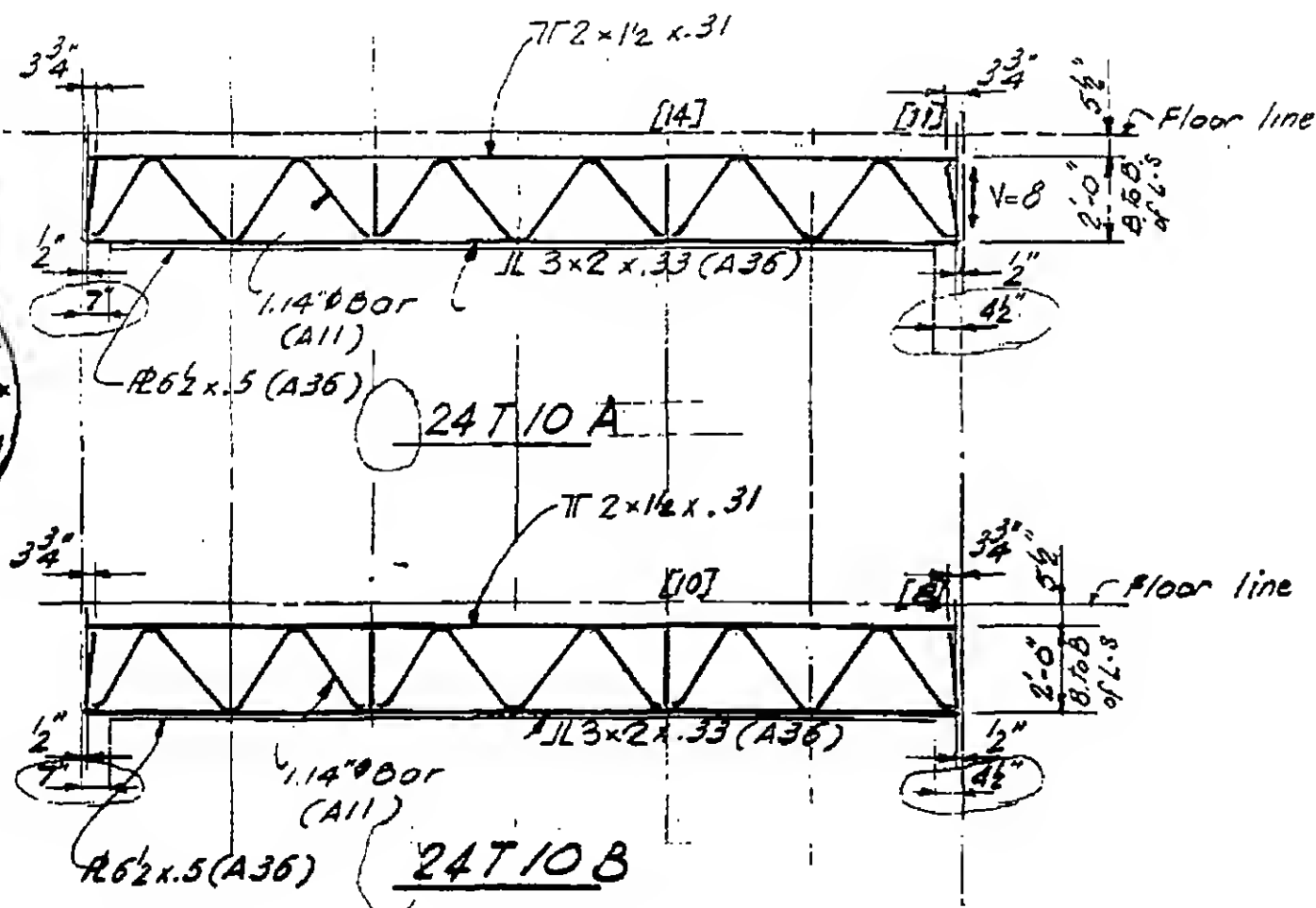
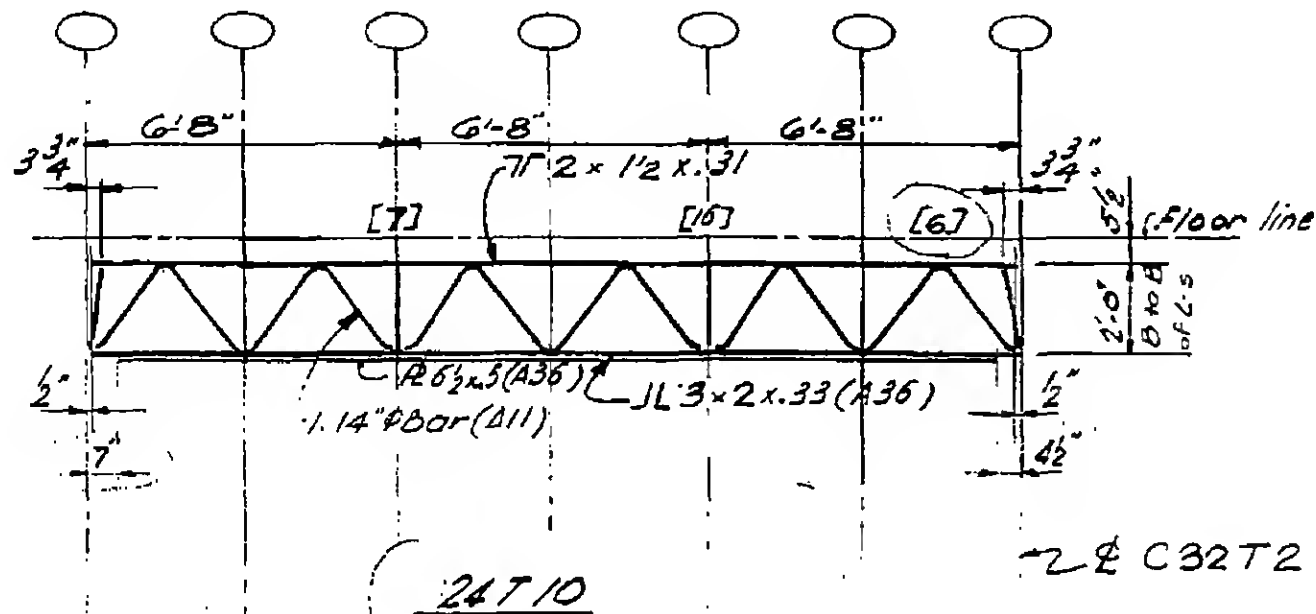
REVISIONS

1-3-68

1-26-68

4-15-68

7-22-68



PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR BRIDGING

24 T 11, 11A

DATE

10-20-67

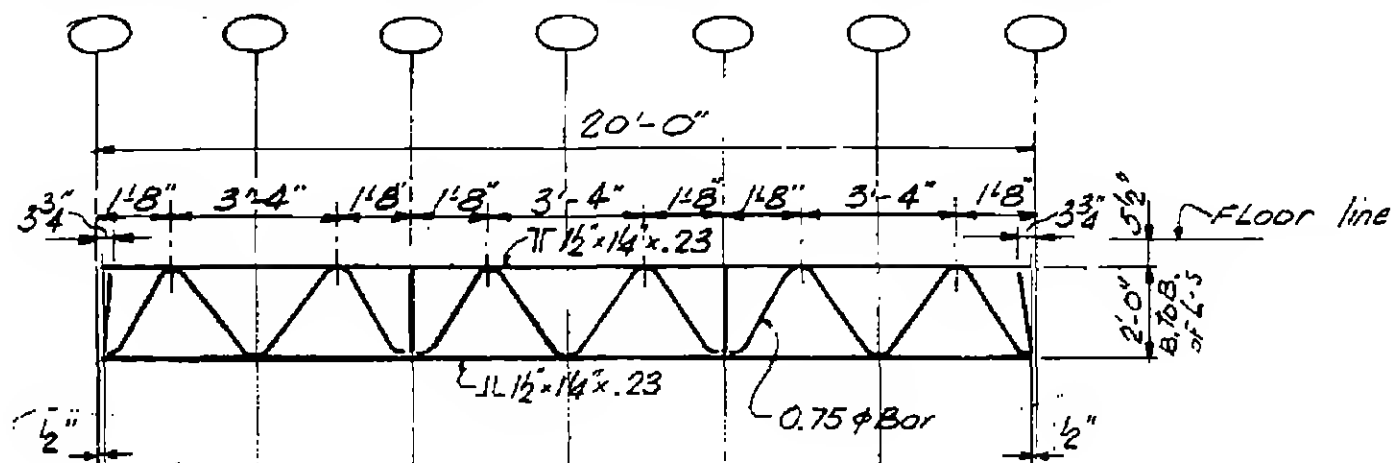
REVISIONS

1-3-68

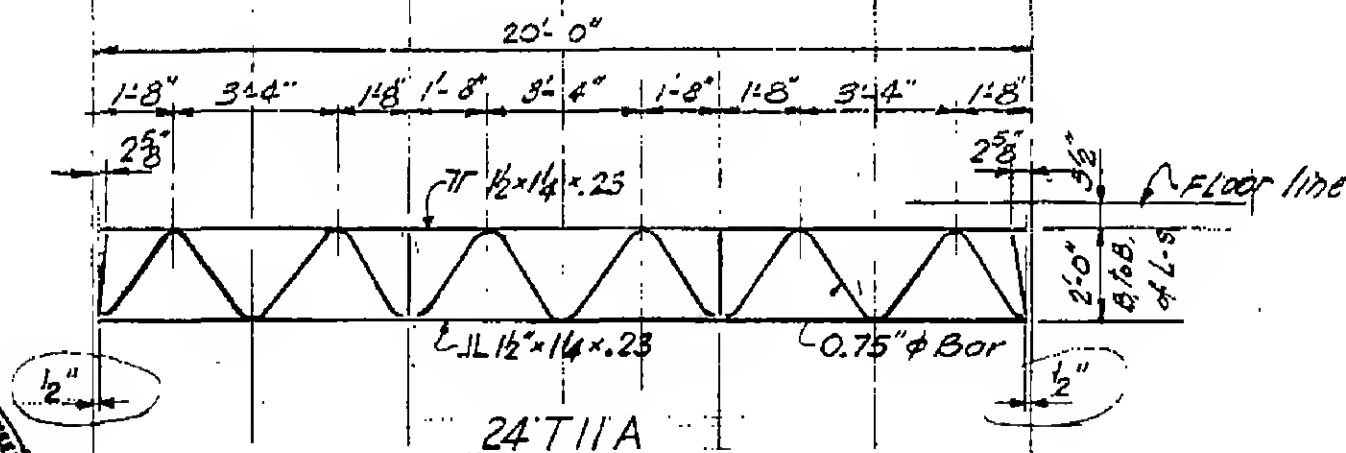
1-26-68

2-15-68

7-22-68



24 T 11



24 T 11A



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR BRIDGING

24 T 12

DATE

10-20-67

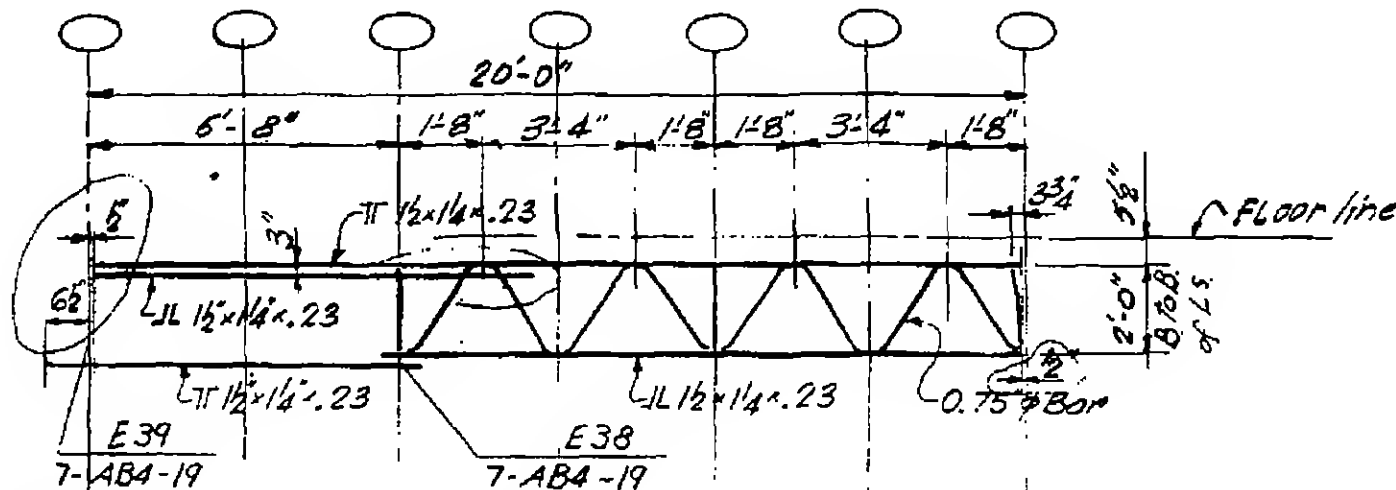
REVISIONS

1-3-68

1-26-68

2-15-68

7-22-68



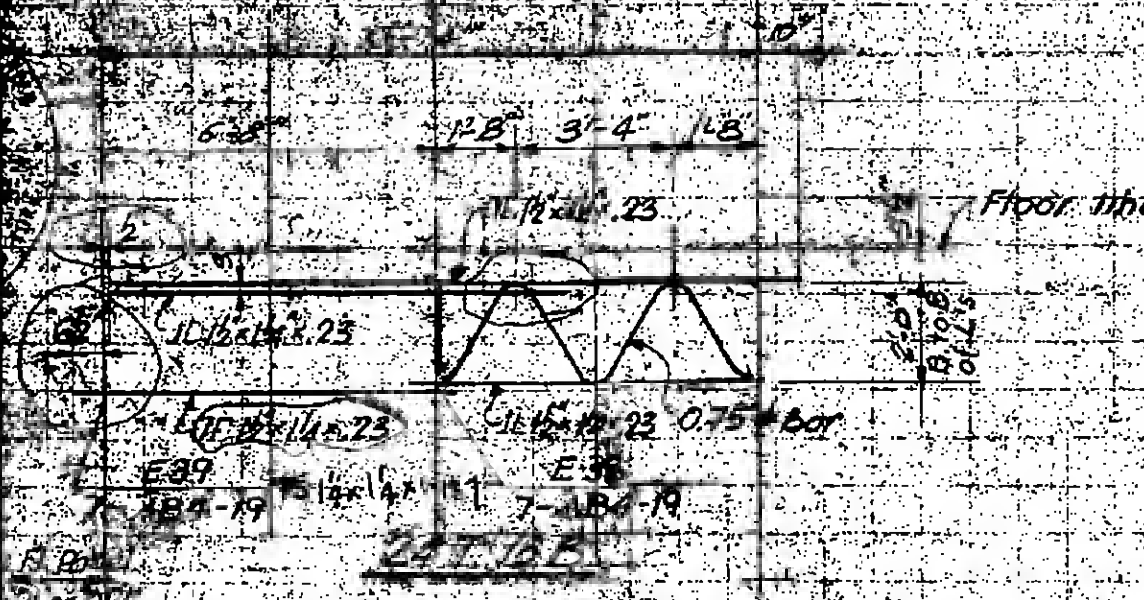
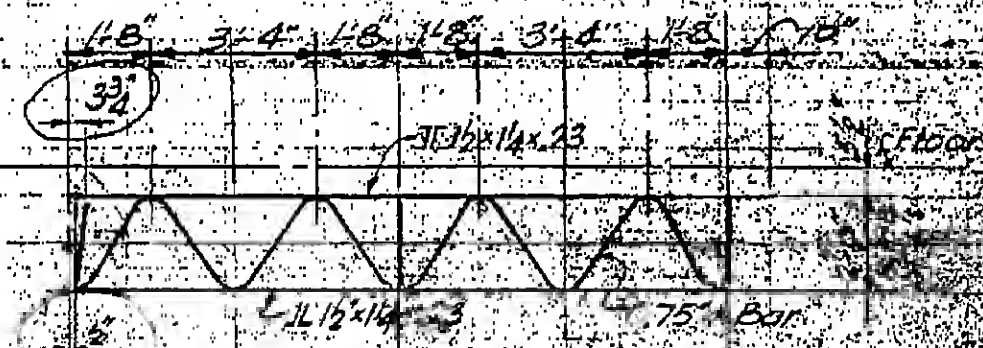
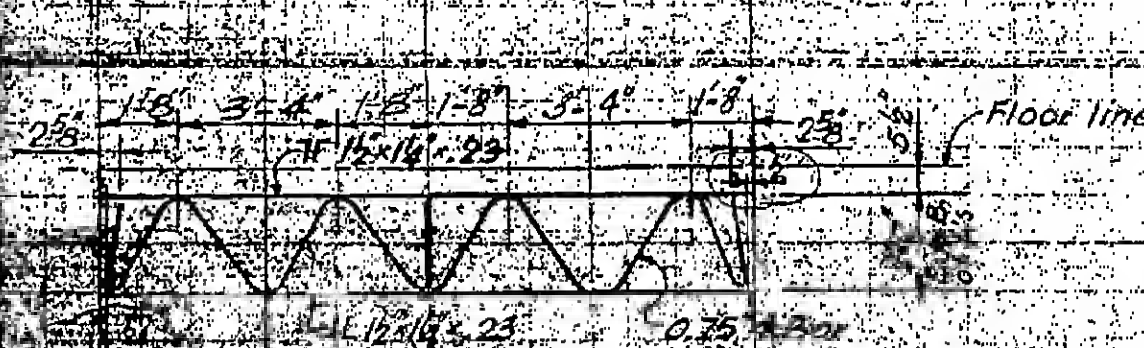
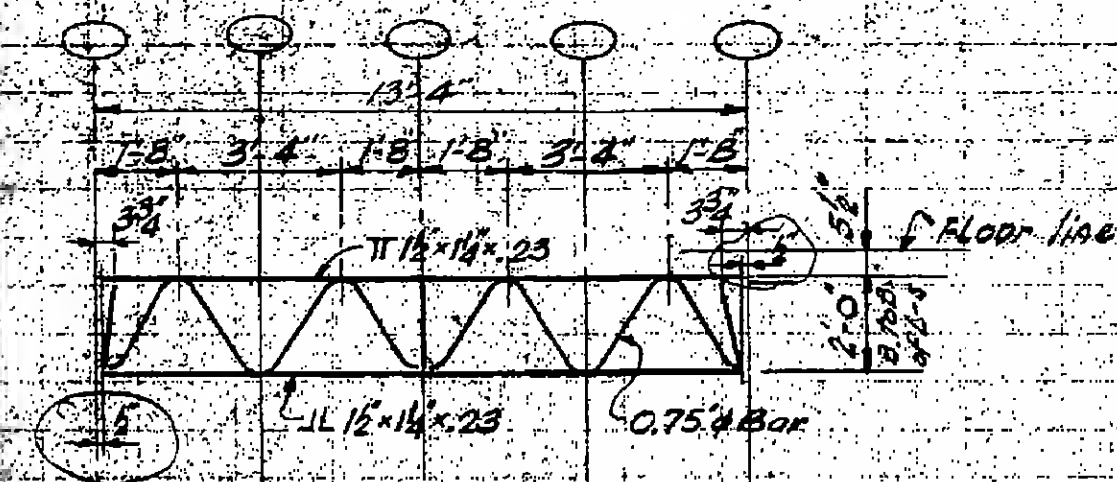
Floor Panels
"D1" or "DRI"

24 T 12

Floor Panels
"B1" or "BRI"



7-AB2-7



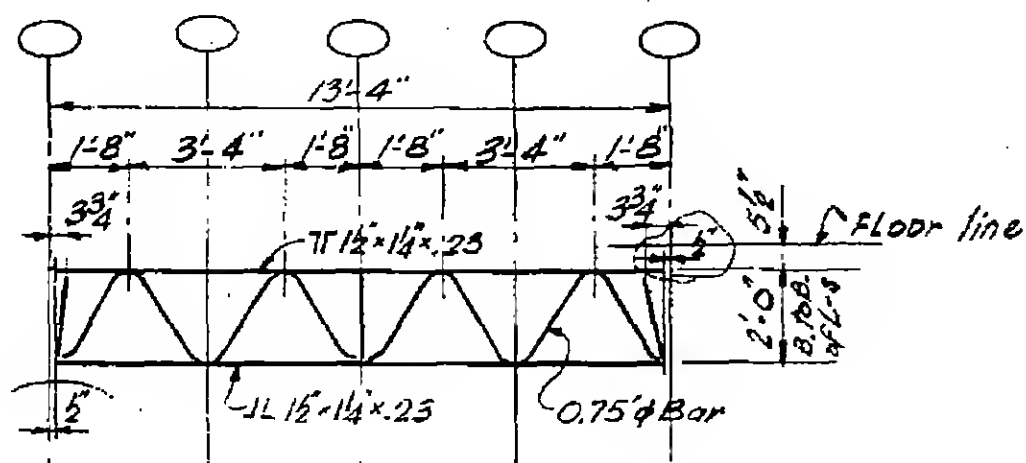
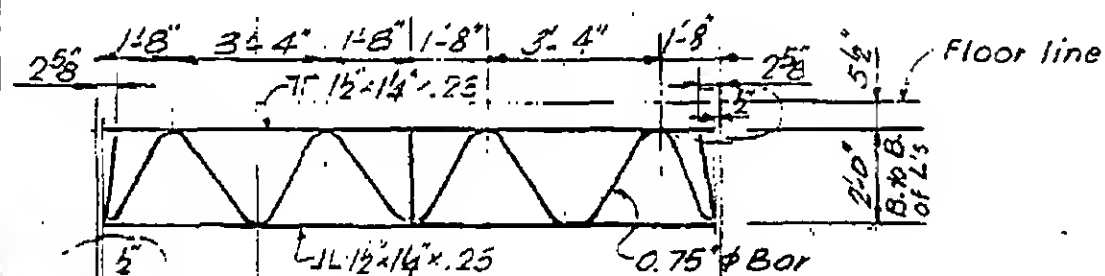
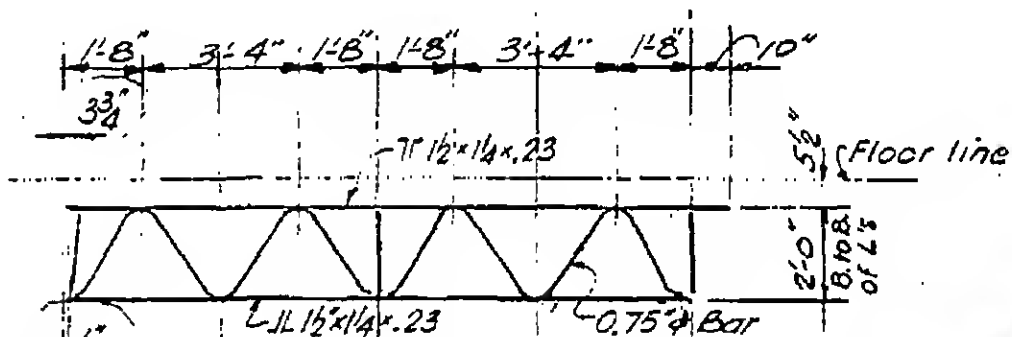
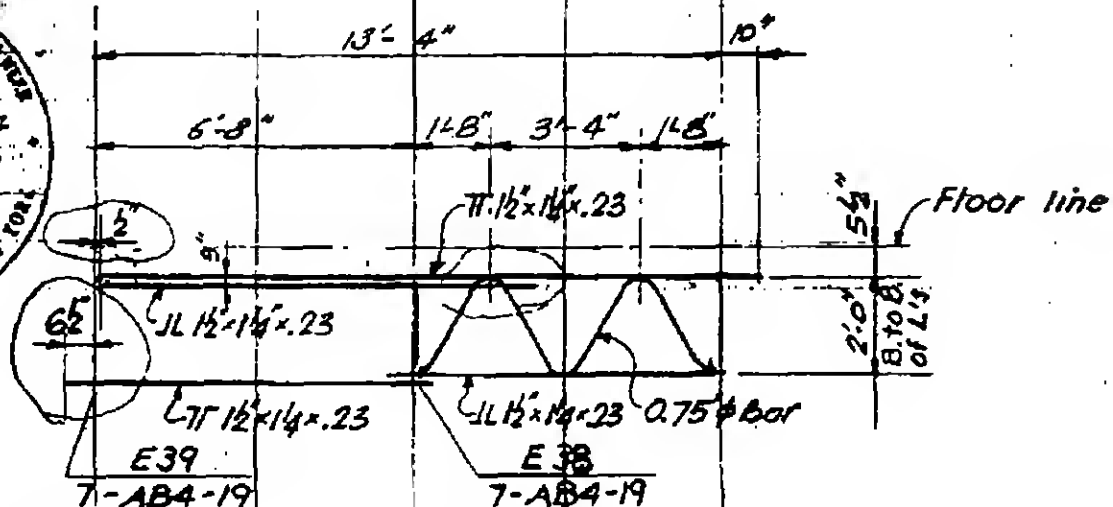
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR BRIDGING 24T13, 13A, 13B, 13C

DATE 10-20-67

REVISIONS

1-3-68
1-26-68
2-15-68
7-22-68

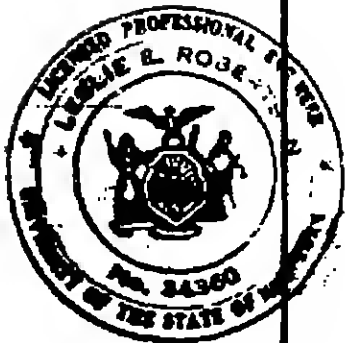
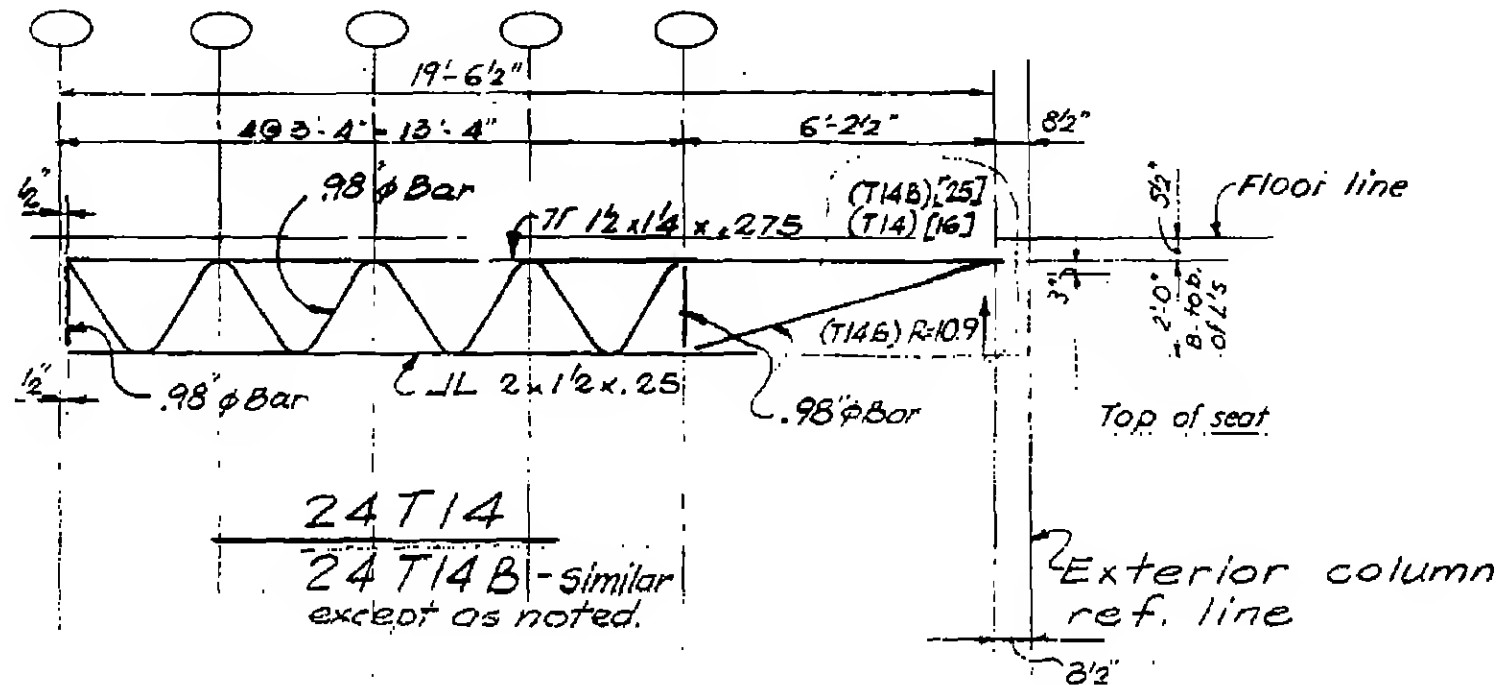
24 T 1324 T 13 A24 T 13 C24 T 13 B

FL Panel
DI or DR

7-AB2-8

REVISIONS

1-26-68
4-1-68
7-22-68
1-6-69



PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR TRUSS 24T/5

DATE

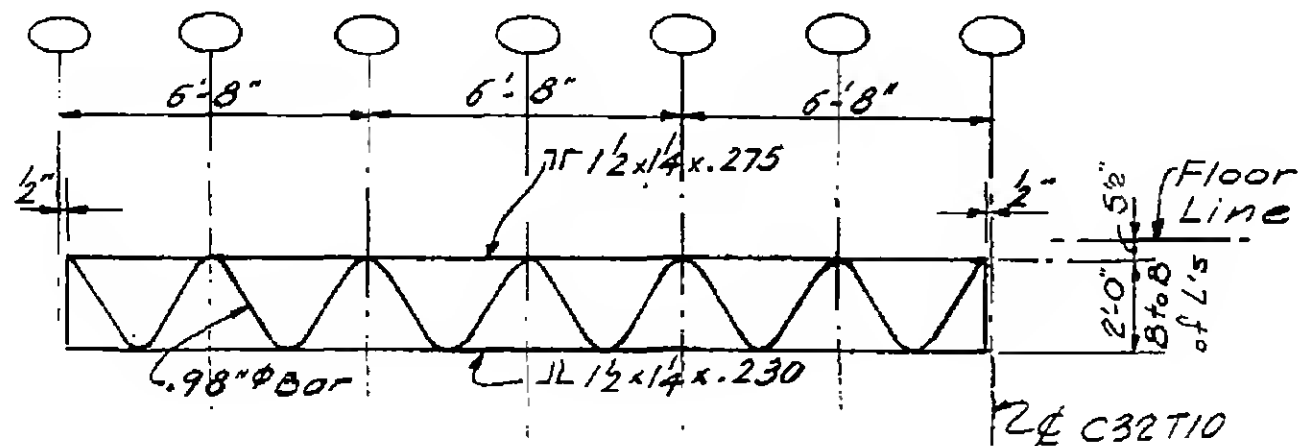
DATE 1-26-68

REVISIONS

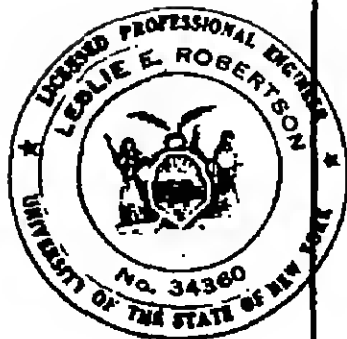
4-1-68

415-68

7-22-68



24 T 15



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

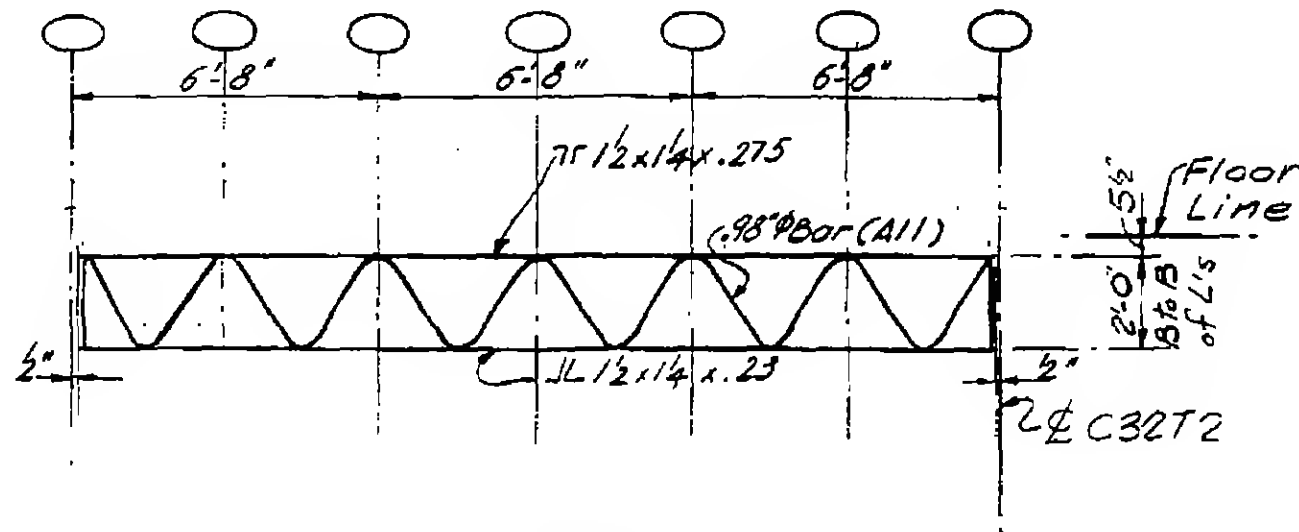
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS 24T16

DATE 1-26-68

REVISIONS

4-1-68
4-15-68
7-22-68



24T16



7-AB2-11

PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR TRUSS

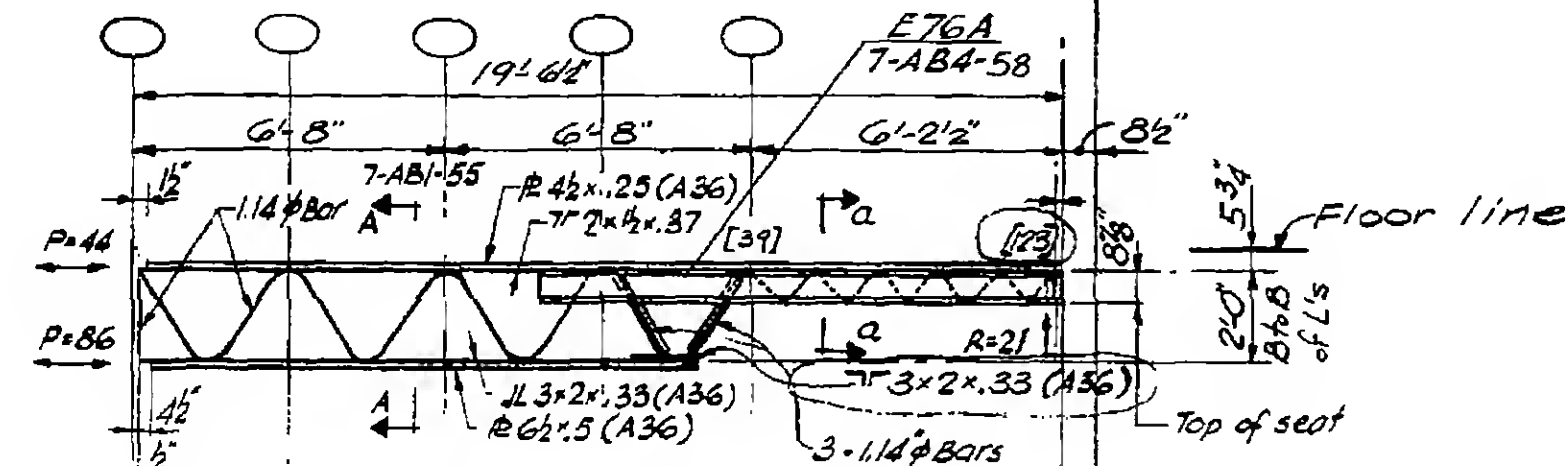
24T7C, 24T7D, 24T7E

DATE

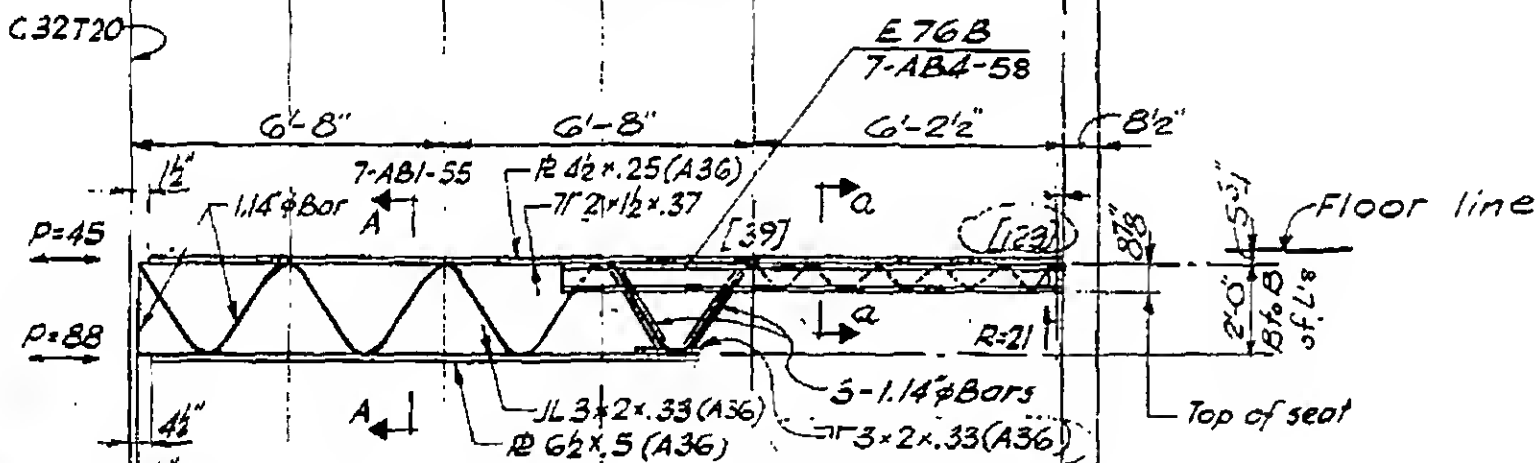
8-15-68

REVISIONS

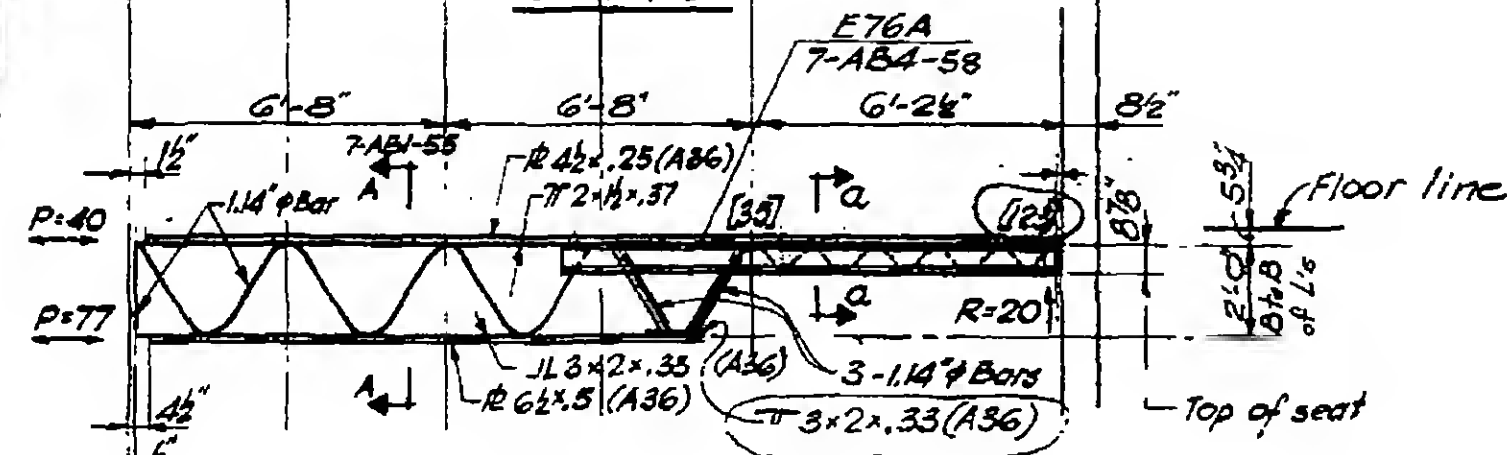
10-4-68



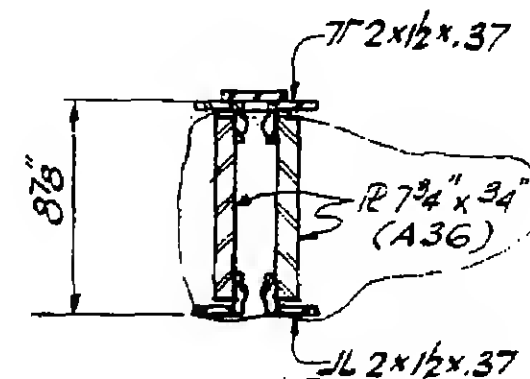
24T7C



24T7D



24T7E



Section a-a



7-AB2-12

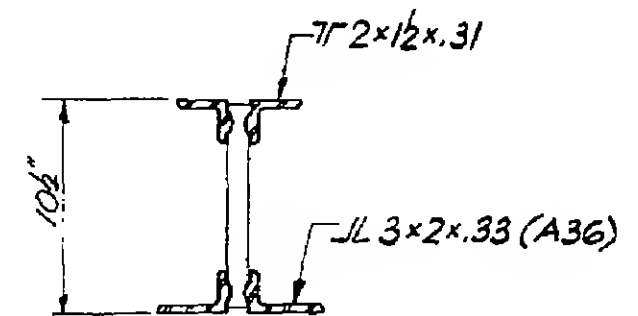
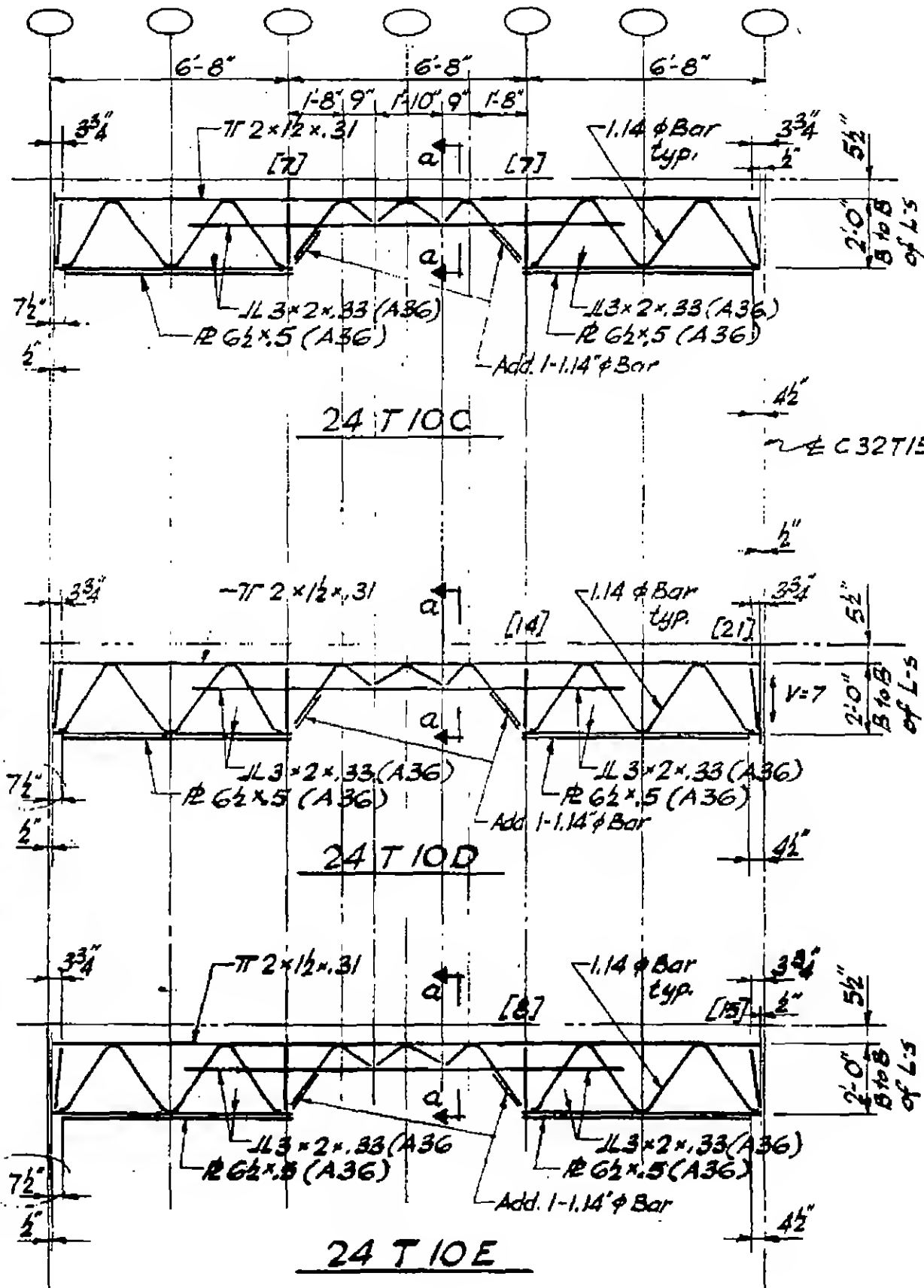
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS 24T10C, 24T10D & 24T10E

DATE 8-15-68

REVISIONS

10-4-68



DESIGNED

DRAWN

REVIEWED

7-AB2-13

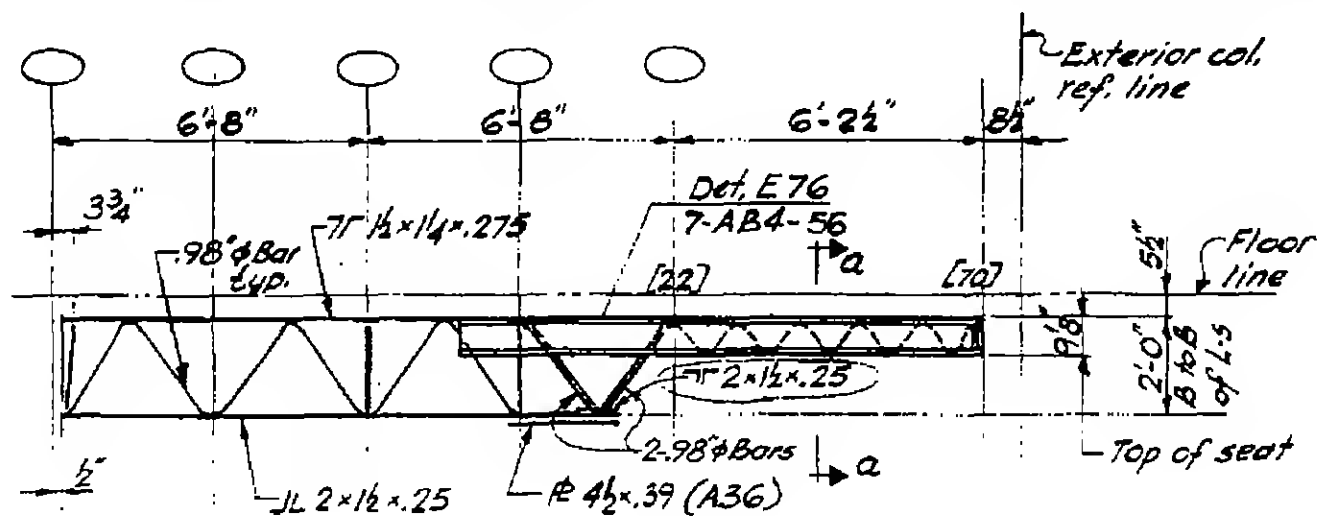
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS 24T14A, 24T15A, 24T16A

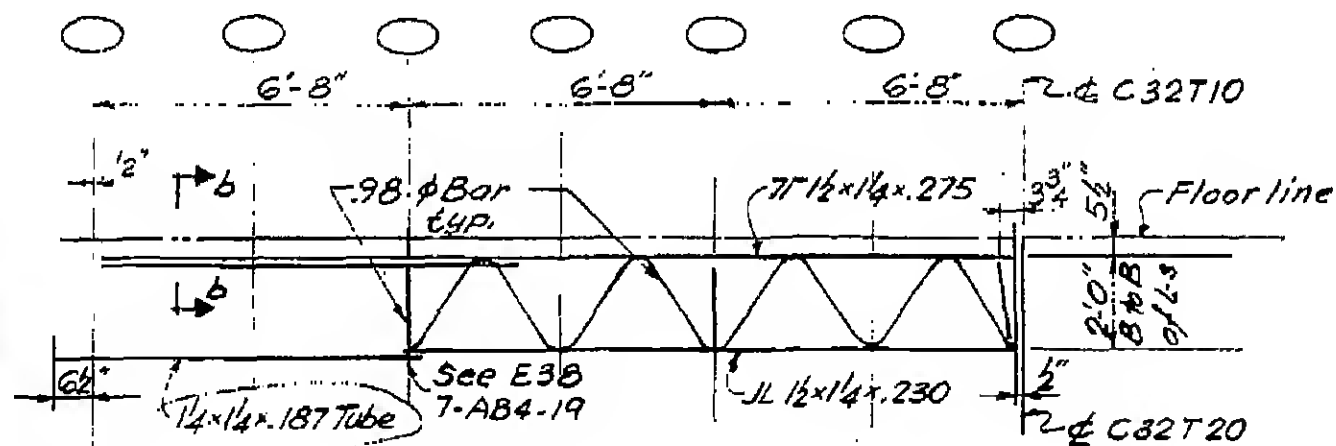
DATE 8-15-68

REVISIONS

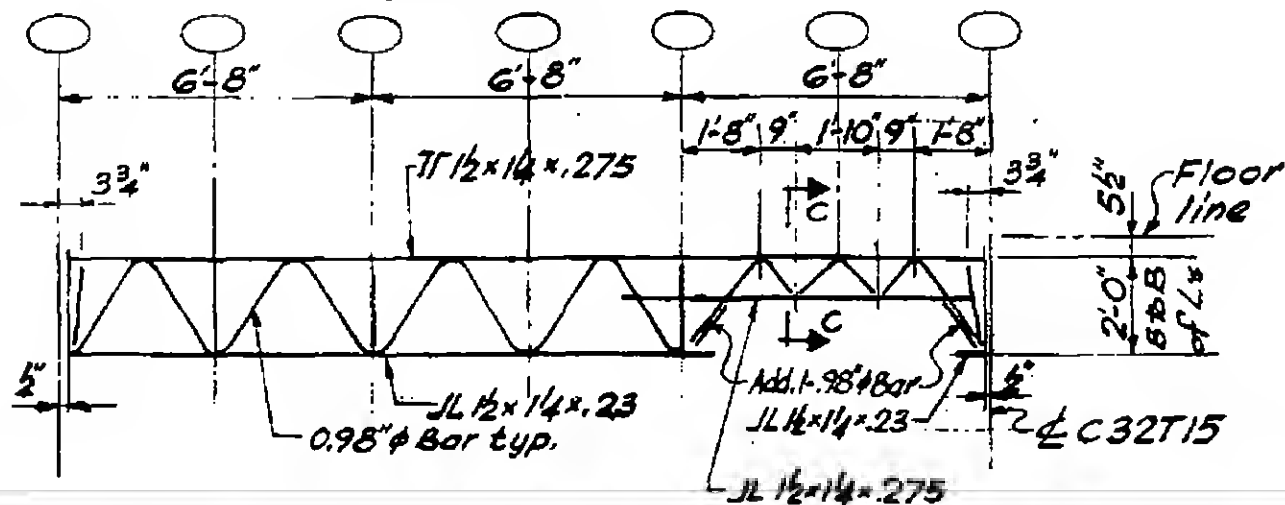
10-4-68



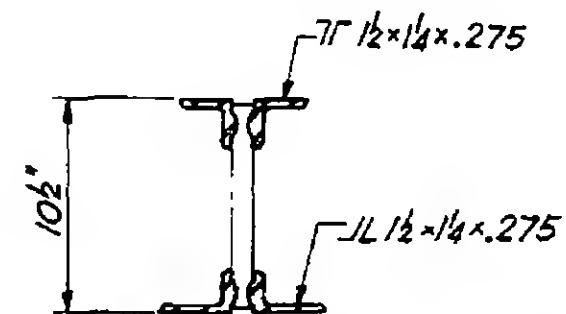
24 T 14 A



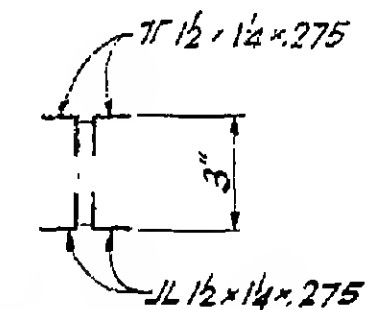
24 T 15 A



24 T 16 A



Section c-c



Section b-b



DESIGNED

DRAWN

REVIEWED

7-AB2-14

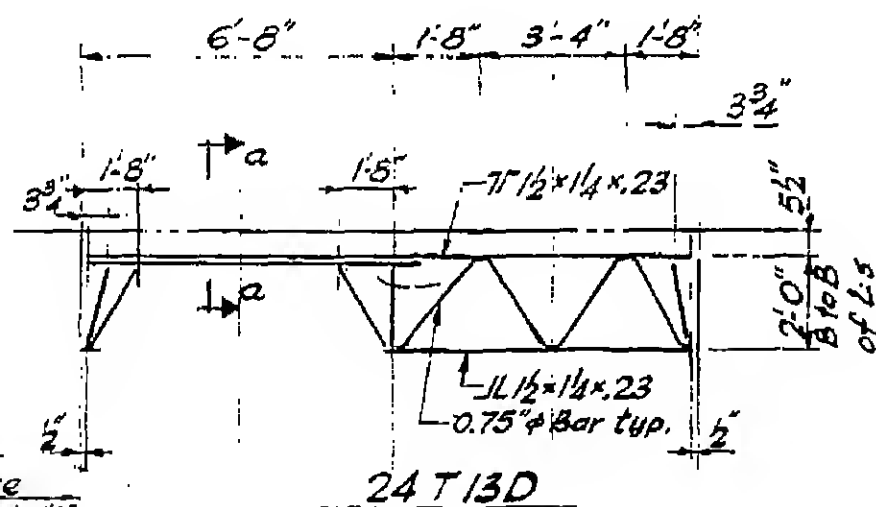
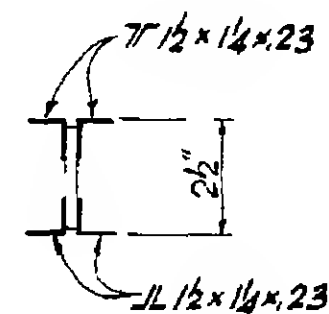
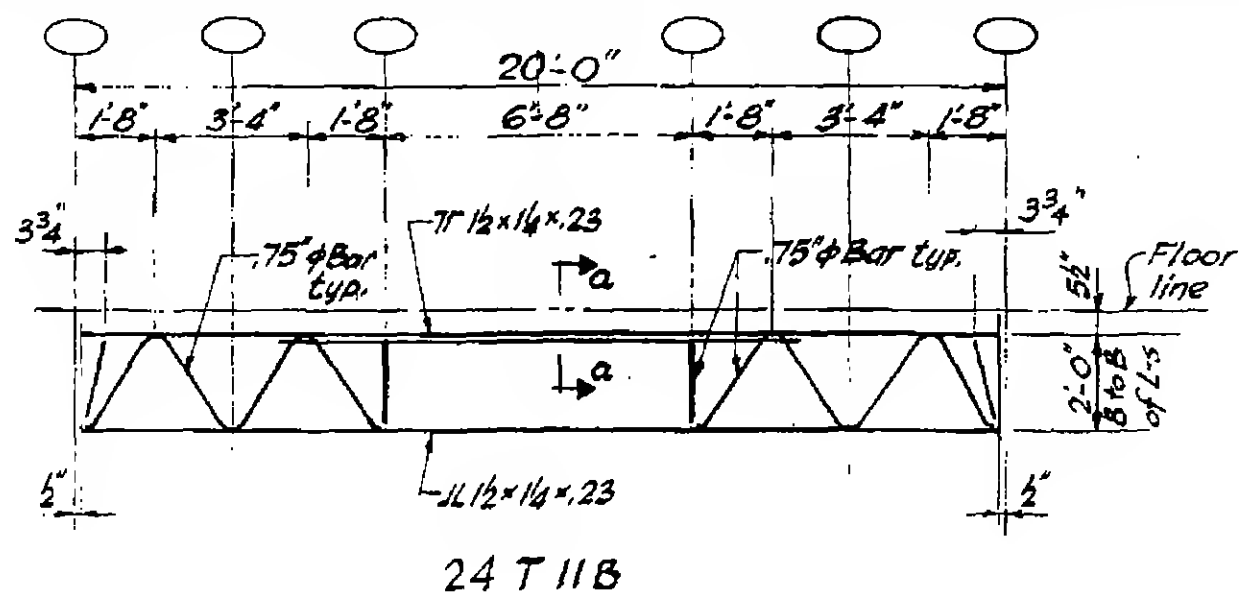
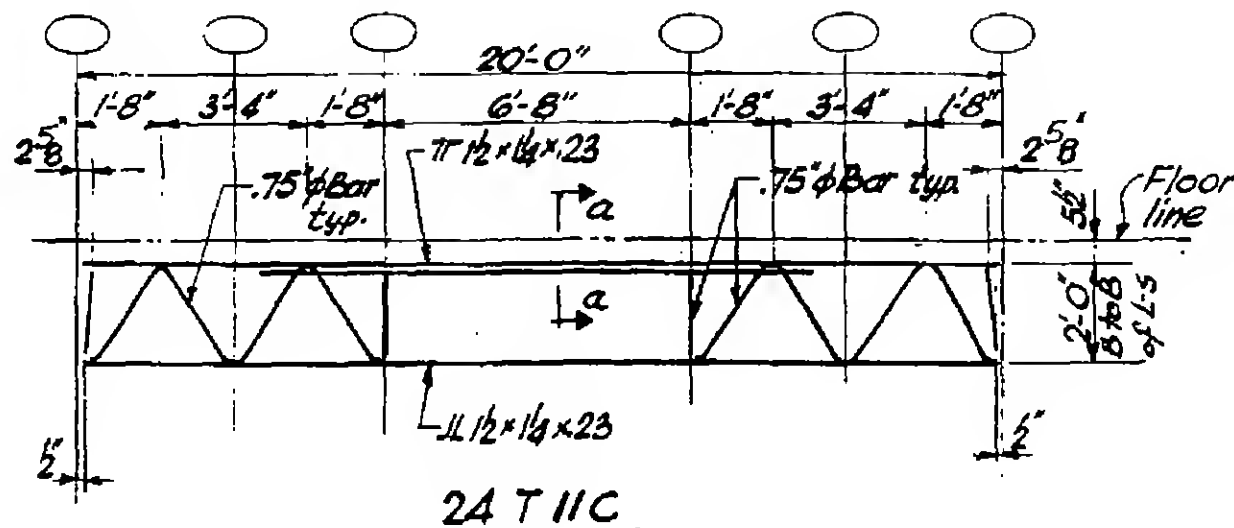
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS 24 T11B, 24 T11C

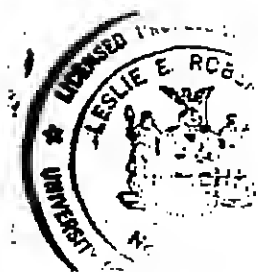
DATE 8-1-68

REVISIONS

10-4-68

See
Note "A"Note "A":

This end of truss to adjoin panels C or CR except in panel B7-EA85 where it should be reversed.



DESIGNED

DRAWN

REVIEWED

7-AB2-15

PROJECT

THE WORLD TRADE CENTER

TITLE

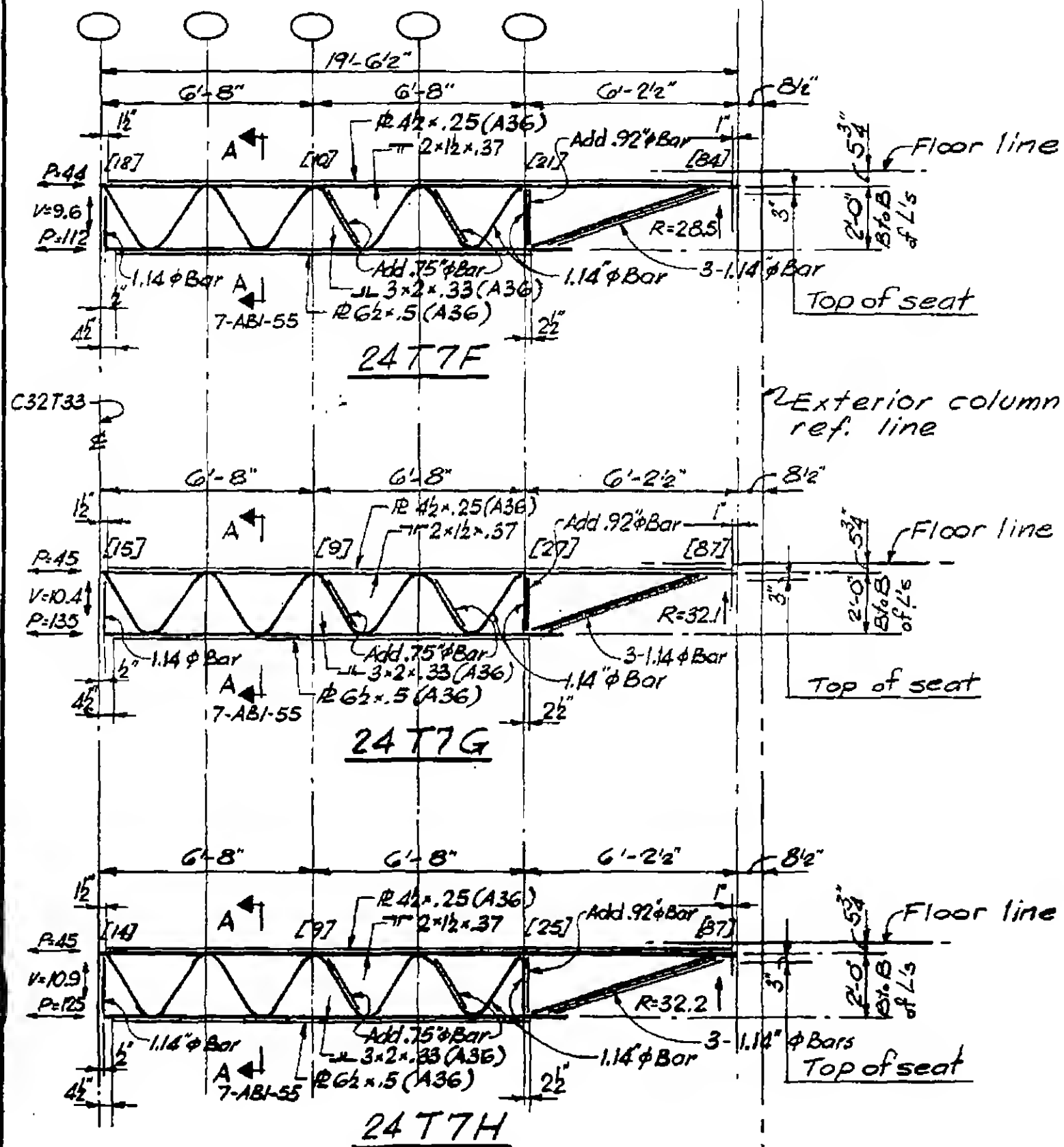
FLOOR TRUSS

24T7F, 24T7G, 24T7H

DATE

1-6-69

REVISIONS



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

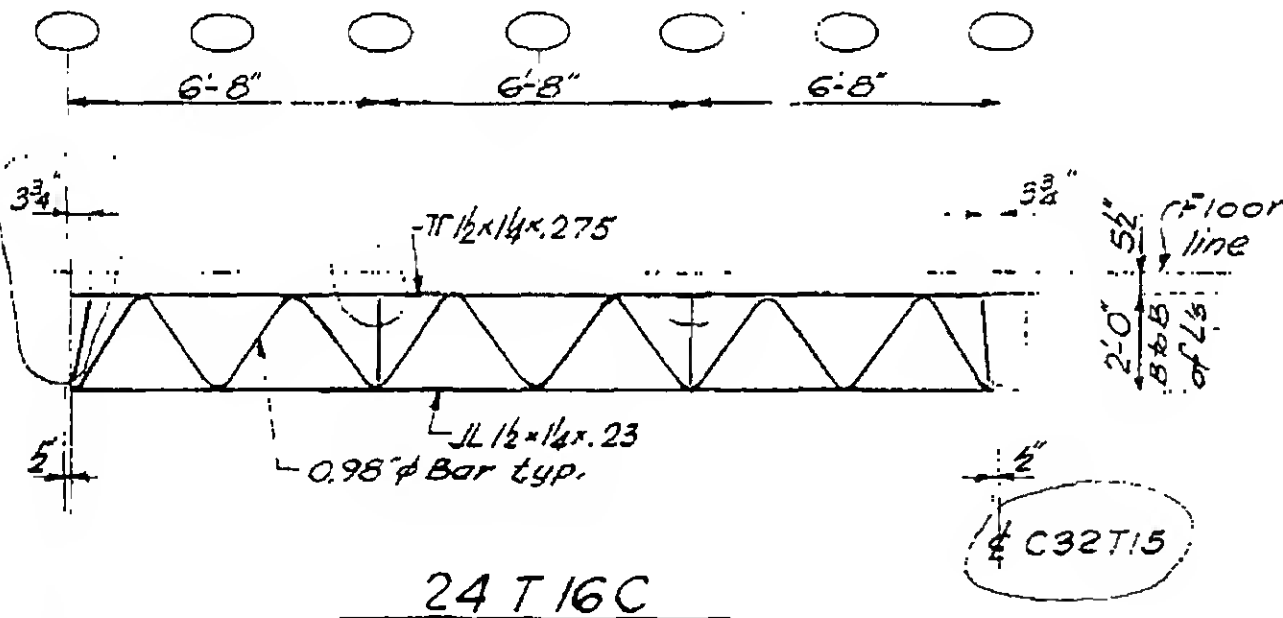
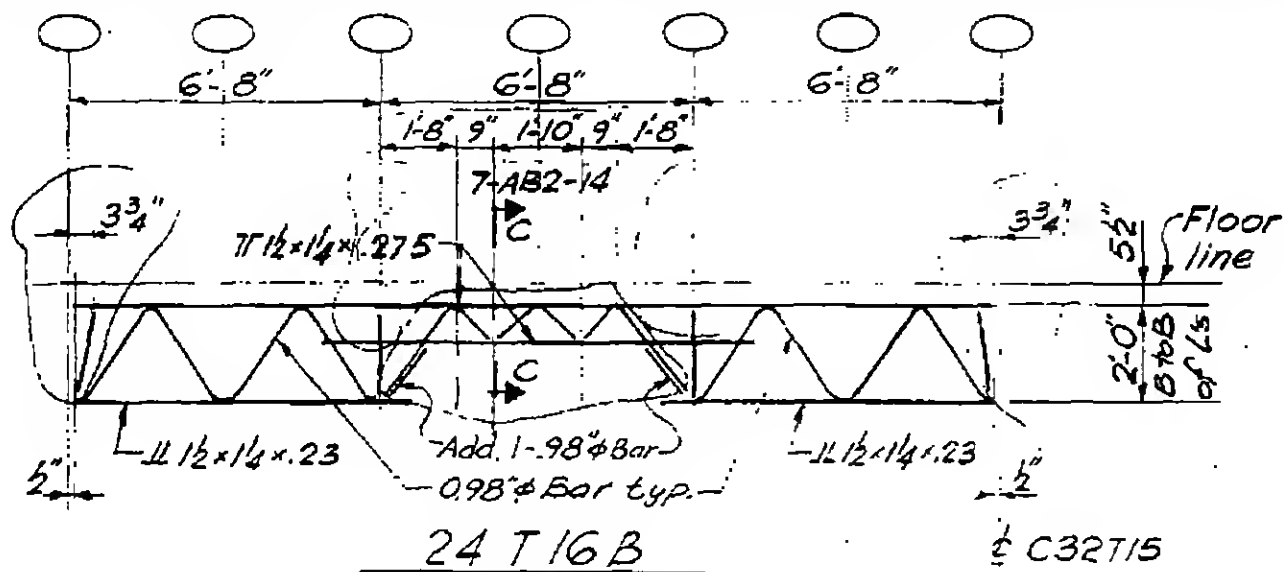
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS 24T16B, 24T16C

DATE 8-15-68

REVISIONS

10-4-68



DESIGNED

DRAWN

REVIEWED

7-AB2-17

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

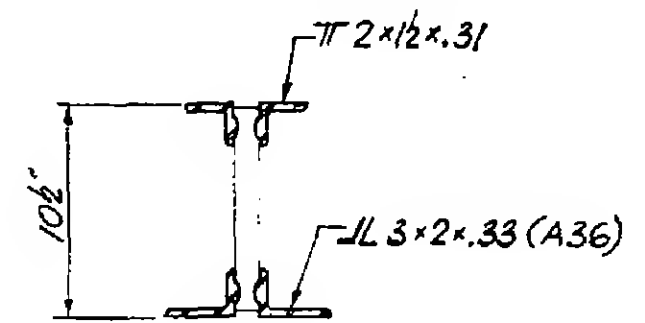
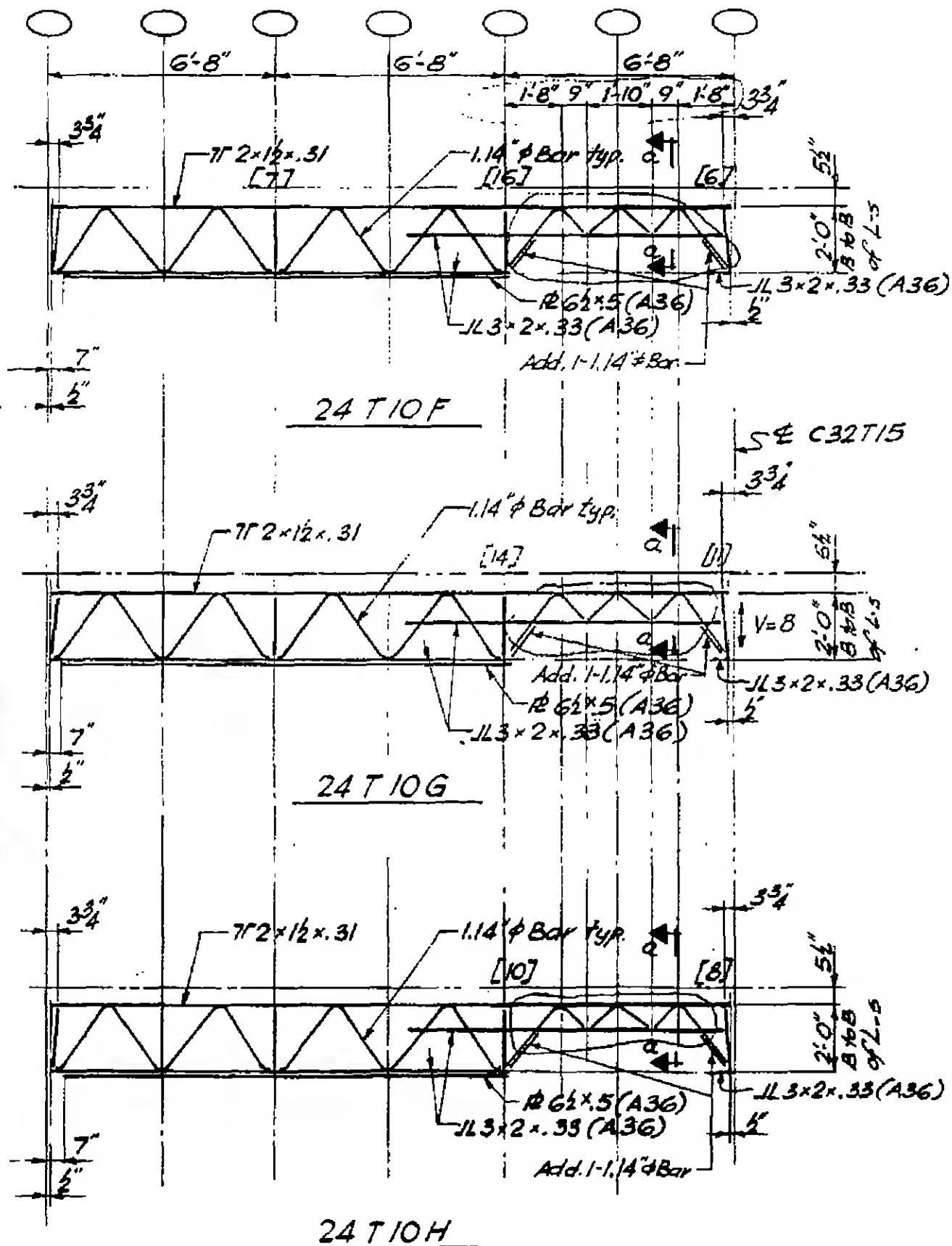
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS 24T10F, 24T10G & 24T10H

DATE 8-15-68

REVISIONS

10-4-68



DESIGNED

DRAWN

REVIEWED

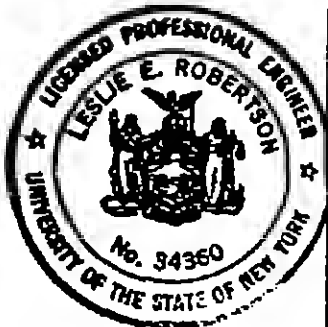
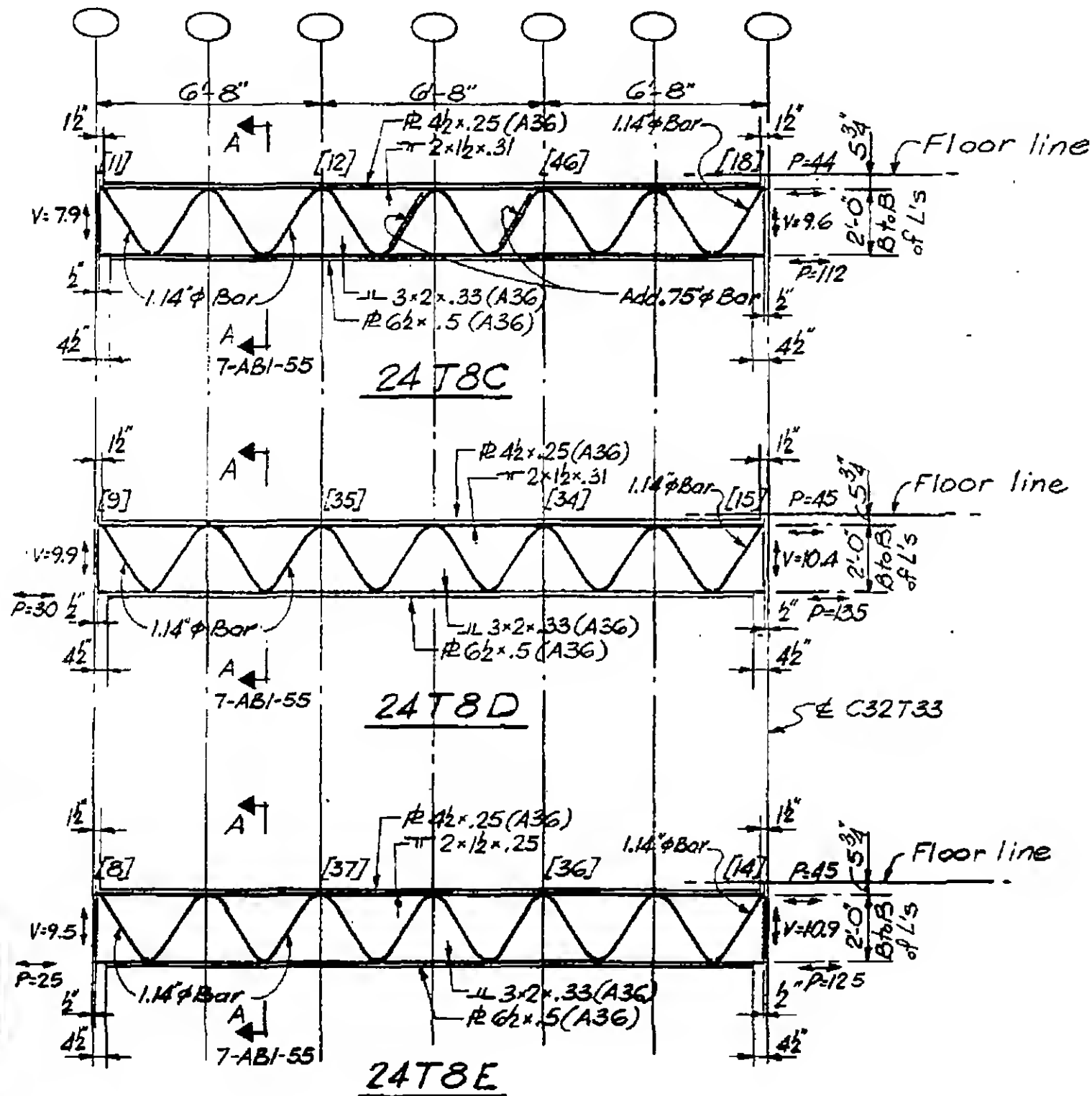
7-AB2-18

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS 24T8C, 8D, 8E

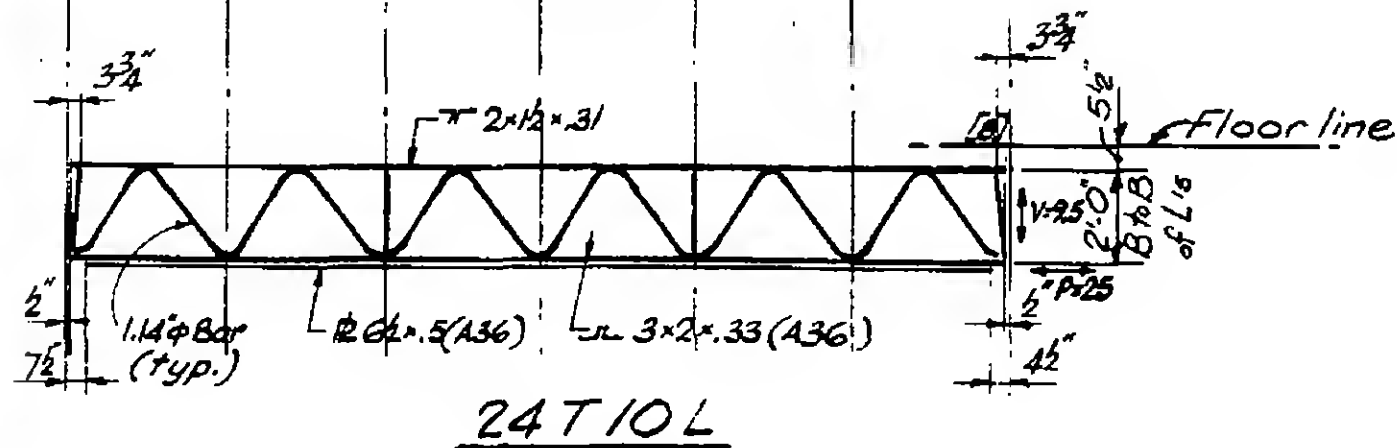
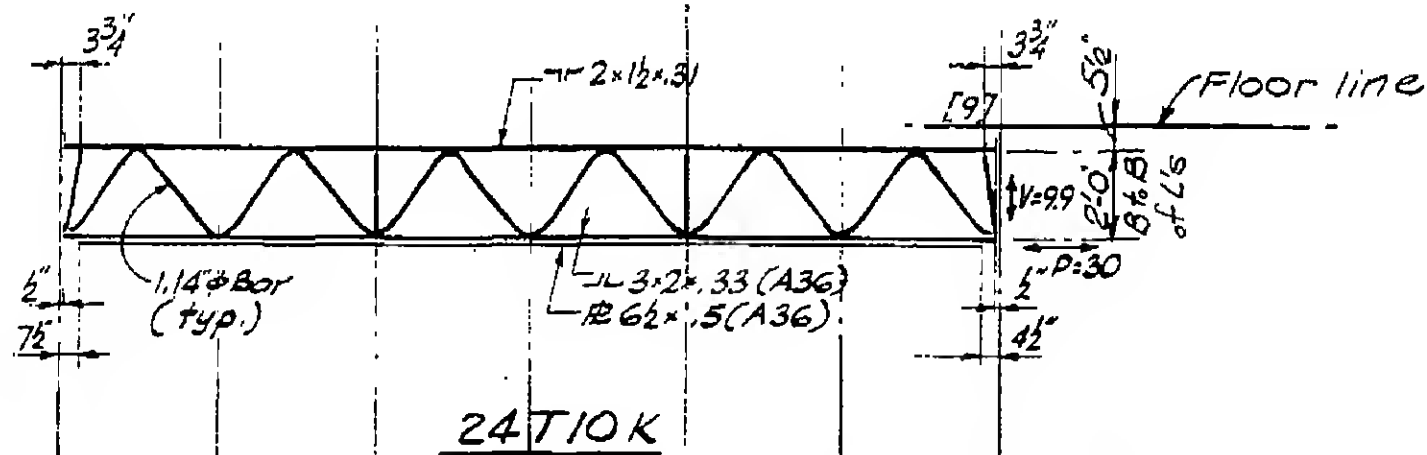
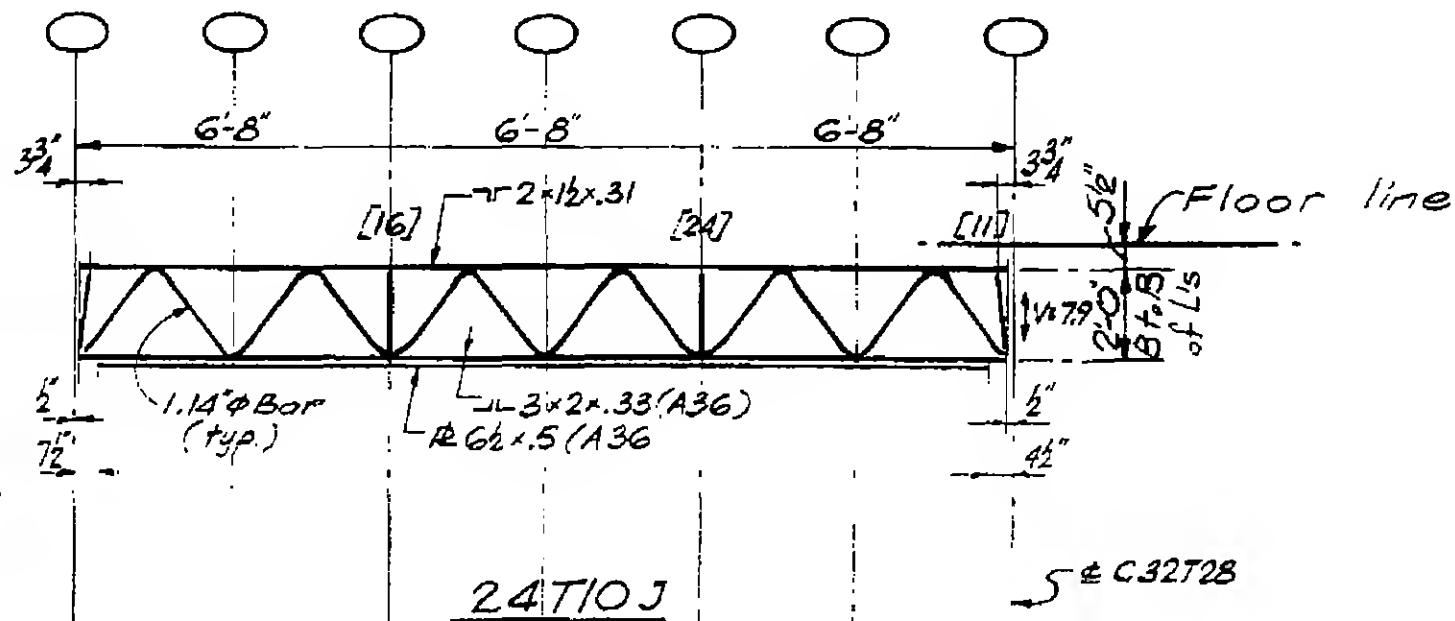
DATE 1-6-69

REVISIONS



7-AB2-19

REVISIONS



PROJECT *THE WORLD TRADE CENTER*TITLE *FLOOR PANELS-INDEX & GENERAL NOTES*

DATE 10/20/67

REVISIONS

*1-3-68**2-15-68**4-1-68**1-3-69**1-6-69**2-3-69**3-3-69**4-1-69**Printed 5-1-69*

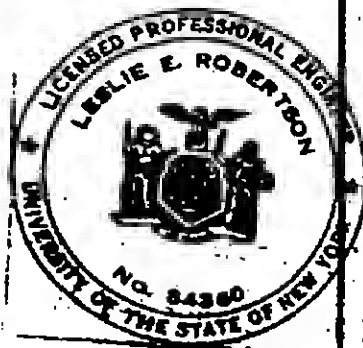
7-AB3- 1 Floor Panel - Index & General Notes
 7-AB3- 2 Floor Panel Dimension Schedule 1
 7-AB3- 3 Floor Panel A1
 7-AB3- 4 Floor Panel A1 G/E & A1 J/G
 7-AB3- 5 Floor Panel B1
 7-AB3- 6 Floor Panel BR1
 7-AB3- 7 Floor Panel C1
 7-AB3- 8 Floor Panel CR1
 7-AB3- 9 Floor Panel D1
 7-AB3-10 Floor Panel DR1
 7-AB3-11 Floor Panel E1
 7-AB3-12 Floor Panel ER1
 7-AB3-13 Floor Panel F1
 7-AB3-14 Floor Panel FR1
 7-AB3-15 Floor Panel G1
 7-AB3-16 Floor Panel GR1
 7-AB3-17 Floor Panel H1
 7-AB3-18 Floor Panel HR1 & HR6
 7-AB3-19 Floor Panel J1
 7-AB3-20 Floor Panel K1
 7-AB3-21 Floor Panel KR1
 7-AB3-22 Floor Panel M1
 7-AB3-23 Floor Panel MR1
 7-AB3-24 Floor Panel Dimension Schedule 2
 7-AB3-25 Floor Panel A2
 7-AB3-26 Floor Panel B2
 7-AB3-27 Floor Panel BR2
 7-AB3-28 Floor Panel C2
 7-AB3-29 Floor Panel CR2
 7-AB3-30 Floor Panel D2
 7-AB3-31 Floor Panel DR2
 7-AB3-32 Floor Panel E2
 7-AB3-33 Floor Panel ER2
 7-AB3-34 Floor Panel F2
 7-AB3-35 Floor Panel FR2
 7-AB3-36 Floor Panel G2
 7-AB3-37 Floor Panel GR2
 7-AB3-38 Floor Panel H2
 7-AB3-39 Floor Panel HR2 & 7
 7-AB3-40 Floor Panel J2
 7-AB3-41 Floor Panel Dimension Schedule 3
 7-AB3-42 Floor Panel A3
 7-AB3-43 Floor Panel B3
 7-AB3-44 Floor Panel BR3
 7-AB3-45 Floor Panel C3
 7-AB3-46 Floor Panel CR3
 7-AB3-47 Floor Panel D3
 7-AB3-48 Floor Panel DR3
 7-AB3-49 Floor Panel E3
 7-AB3-50 Floor Panel ER3
 7-AB3-51 Floor Panel F3
 7-AB3-52 Floor Panel FR3
 7-AB3-53 Floor Panel A8
 7-AB3-54 Floor Panel B8

7-AB3-55 Floor Panel BR8
 7-AB3-56 Floor Panel C8
 7-AB3-57 Floor Panel CR8
 7-AB3-58 Floor Panel D8
 7-AB3-59 Floor Panel DR8
 7-AB3-60 Floor Panel E8
 7-AB3-61 Floor Panel ER8
 7-AB3-62 Floor Panel F8
 7-AB3-63 Floor Panel FR8
 7-AB3-70 Floor Panel Dimension Schedule 5
 7-AB3-71 Floor Panel D5
 7-AB3-72 Floor Panel DR5
 7-AB3-73 Floor Panel E5
 7-AB3-74 Floor Panel ER5
 7-AB3-75 Floor Panel F5
 7-AB3-76 Floor Panel FR5
 7-AB3-77 Floor Panel C6
 7-AB3-78 Floor Panel CR6
 7-AB3-79 Floor Panel C7
 7-AB3-80 Floor Panel CR7

GENERAL NOTES:

1. Material for steel deck supporting members $\angle 3 \times 2$ to be $F_y = 50$ unless otherwise noted.
2. Deck beam angles and miscellaneous angles called for on floor panel drawings have long legs vertical.
3. Except as otherwise indicated, all $\angle 3 \times 2$ deck supports shall be continuous.
4. Numbers shown on floor panel drawings thus () are vertical interaction forces in Kips between each C32 truss and the 24T truss.

Where no interaction force is given, the connection shall be proportioned for a minimum connection of 5 Kips. All connections shall be proportioned for a tensile as well as a compressive interaction force of the specified value.
5. Contractor shall supply representative calculations and/or test results for each connection proportioned by the Contractor. All connections, details and the like are subject to approval by the Engineer.
6. Connection of $\angle 3 \times 2$ deck support beams to C32 trusses shall be proportioned for a minimum reaction of 6 Kips.



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DIMENSION SCHEDULE 1

DATE 10-20-67

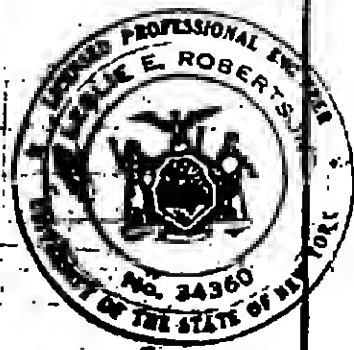
REVISIONS

1-3-68

PANEL NO.

OUT TO OUT
PANEL DIM. LBOET HOLE
DIMENSION MDIMENSION
A

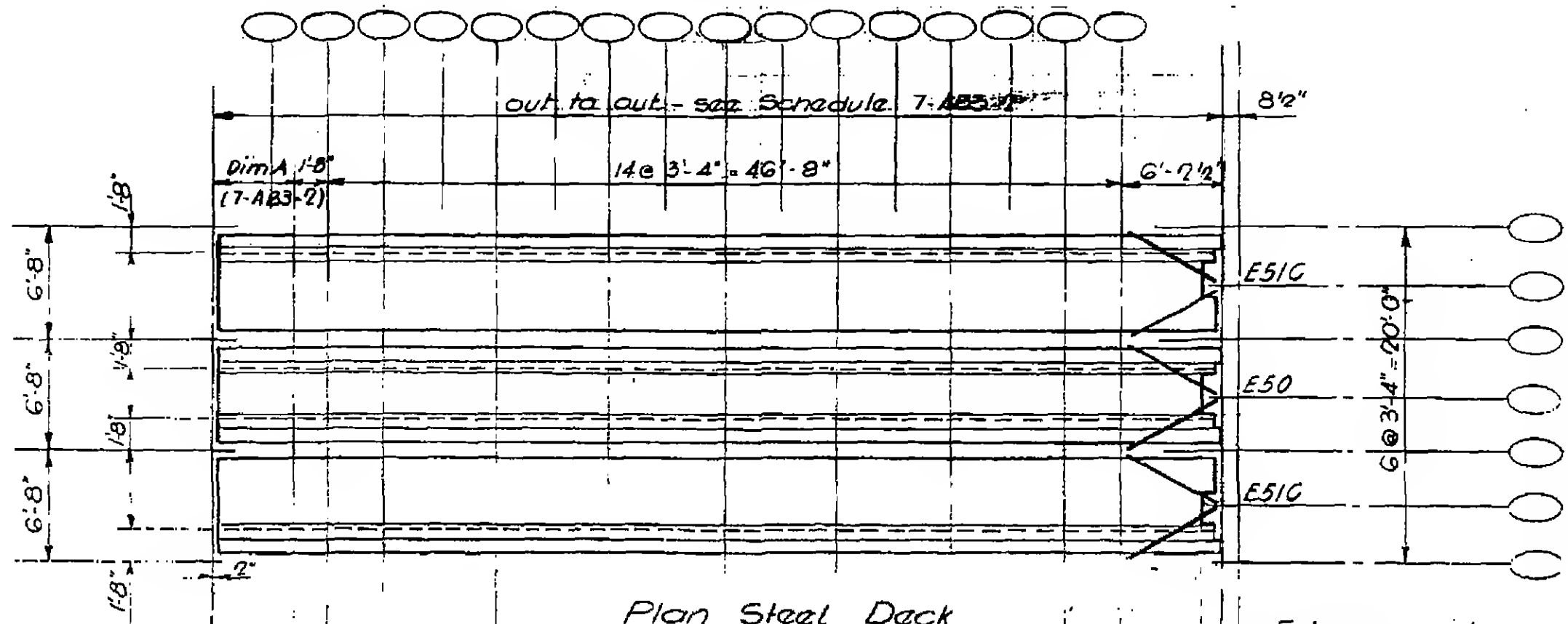
AIA	BIA	BRIA	CIA	CRIA	DIA	DRIA	EIA	ERIA	59' - 9"	59' - 3 3/4"	5' - 2 1/2"
AIB	BIB	BRIB	CIB	CRIB	DIB	DRIB	EIB	ERIB	59' - 8 1/2"	59' - 3 1/4"	5' - 2"
AIC	BIC	BRIC	CIC	CRIC	DIC	DRIC	EIC	ERIC	59' - 8"	59' - 2 3/4"	5' - 1 1/2"
AID	BID	BRID	CID	CRID	DID	DRID	EID	ERID	59' - 5"	58' - 11 1/4"	4' - 10 1/2"
AIE	BIE	BRIE	CIE	CRIE	DIE	DRIE	EIE	ERIE	59' - 3"	58' - 9 3/4"	4' - 8 1/2"
AIF	BIF	BRIF	CIF	CRIF	DIF	DRIF	EIF	ERIF	59' - 2"	58' - 8 3/4"	4' - 7 1/2"
AIG	BIG	BRIG	CIG	CRIG	DIG	DRIG	EIG	ERIG	58' - 11"	58' - 5 3/4"	4' - 4 1/2"
AIH	BIH	BRIH	CIH	CRIH	DIH	DRIH	EIH	ERIH	58' - 8"	58' - 2 3/4"	4' - 1 1/2"
AIJ	BIJ	BRIJ	CIJ	CRIJ	DIJ	DRIJ	EIJ	ERIJ	58' - 7"	58' - 1 3/4"	4' - 0 1/2"
AIK	BIK	BRIK	CIK	CRIK	DIK	DRIK	EIK	ERIK	58' - 6"	58' - 0 3/4"	3' - 11 1/2"
AIM	BIM	BRIM	CIM	CRIM	DIM	DRIM	EIM	ERIM	58' - 3"	57' - 9 3/4"	3' - 8 1/2"
AIN	BIN	BRIN	CIN	CRIN	DIN	DRIN	EIN	ERIN	57' - 9"	57' - 3 3/4"	3' - 2 1/2"
AIP	BIP	BRIP	CIP	CRIP	DIP	DRIP	EIP	ERIP	57' - 7"	57' - 1 3/4"	3' - 0 1/2"



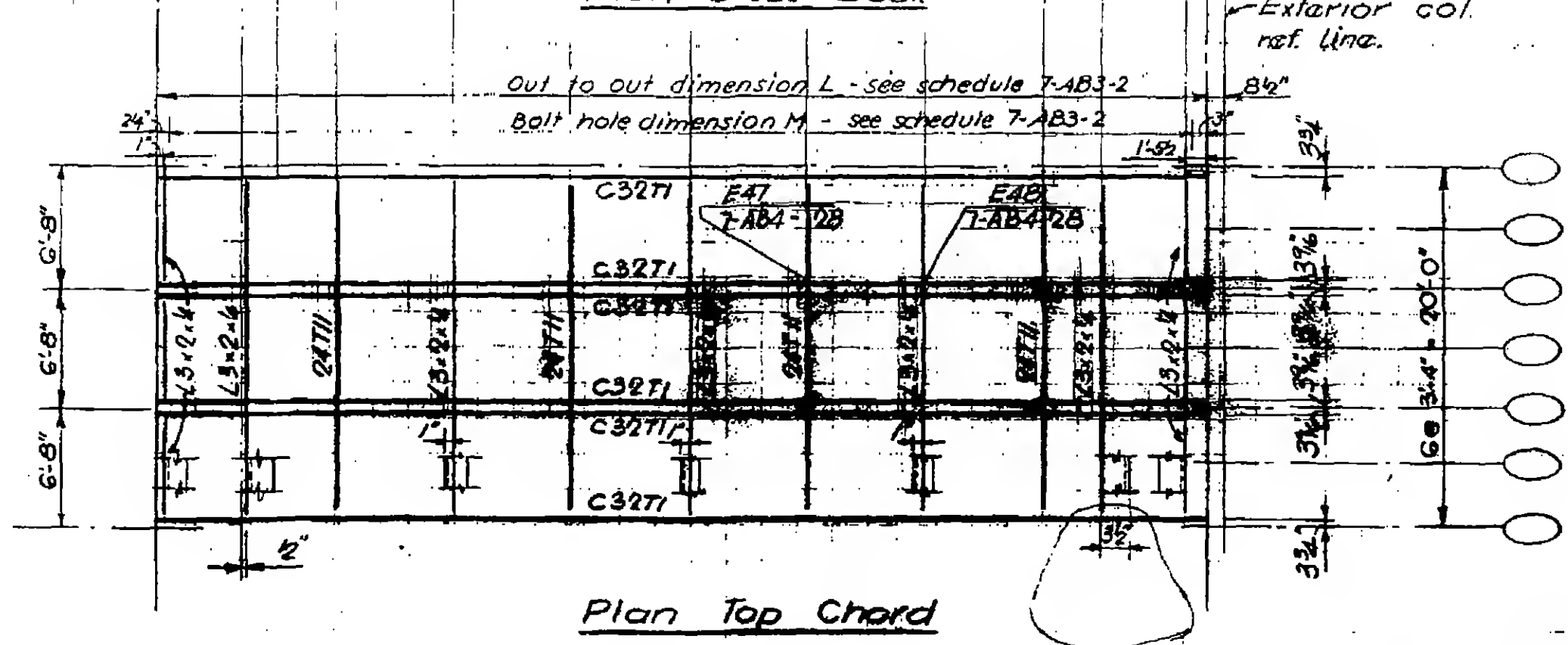
7-AB3-2

REVISIONS

1-3-68
1-26-68
2-15-68
4-1-68
7-22-68
10-15-68



Plan Steel Deck

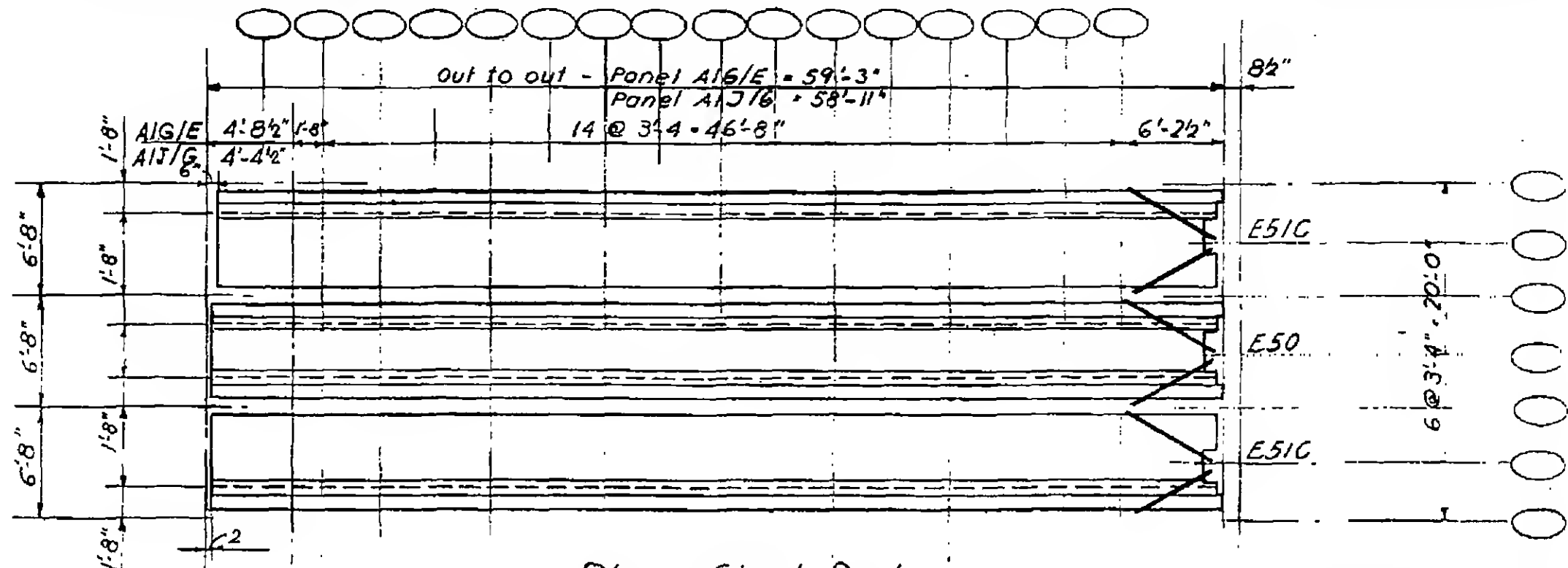


Plan Top Chord

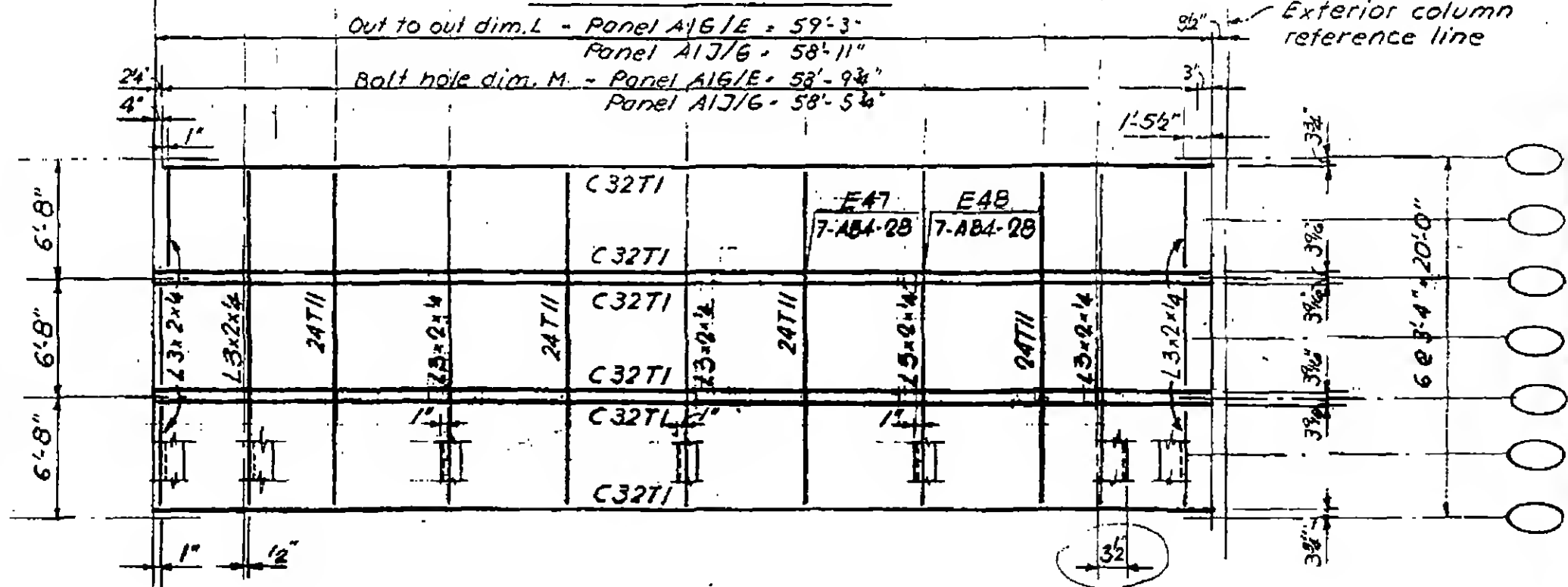


REVISIONS

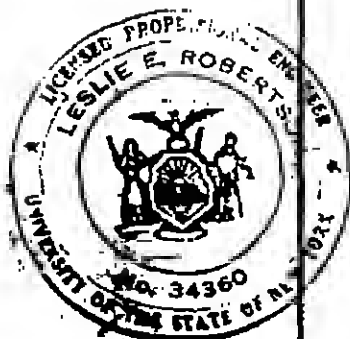
1-3-68
1-26-68
2-15-68
4-1-68
7-22-68
10-15-68



Plan Steel Deck

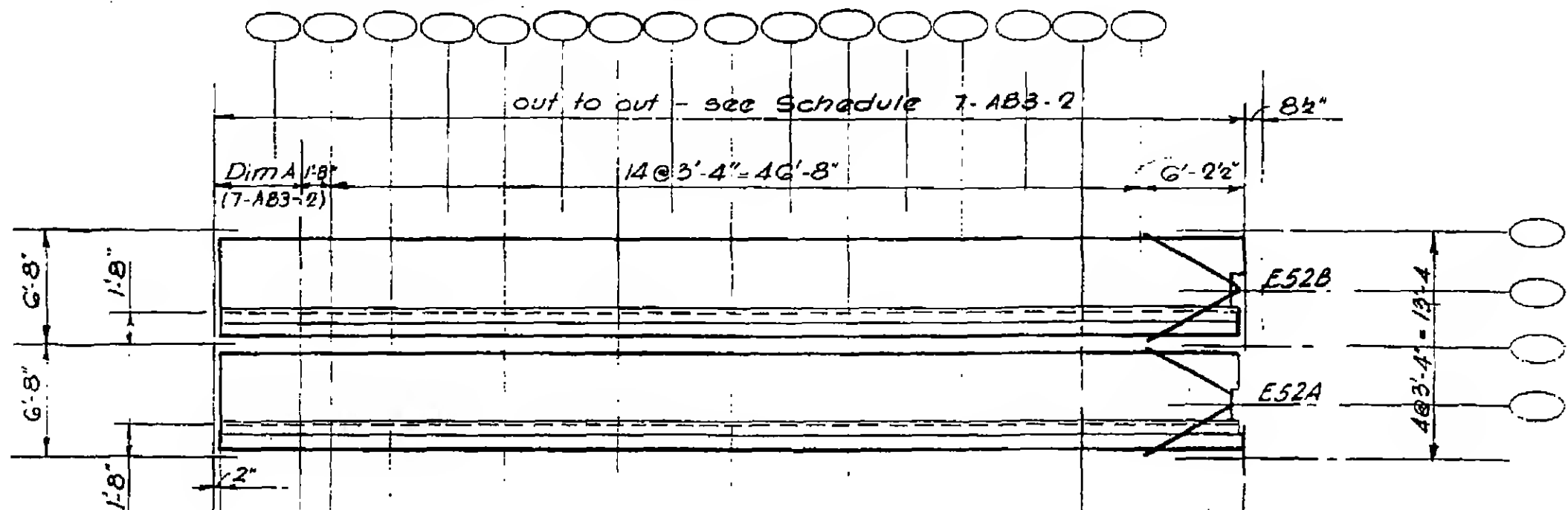


Plan Top Chord

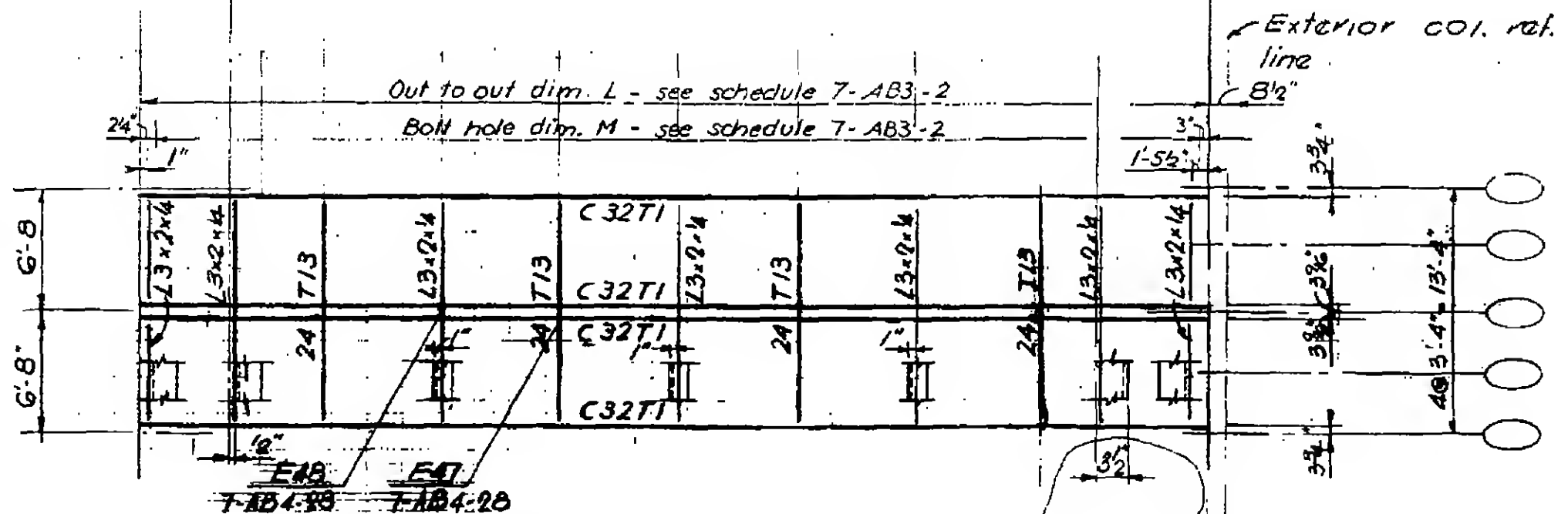


REVISIONS

1-3-68
1-26-68
2-15-68
4-1-68
7-22-68
10-15-68



Plan Steel Deck

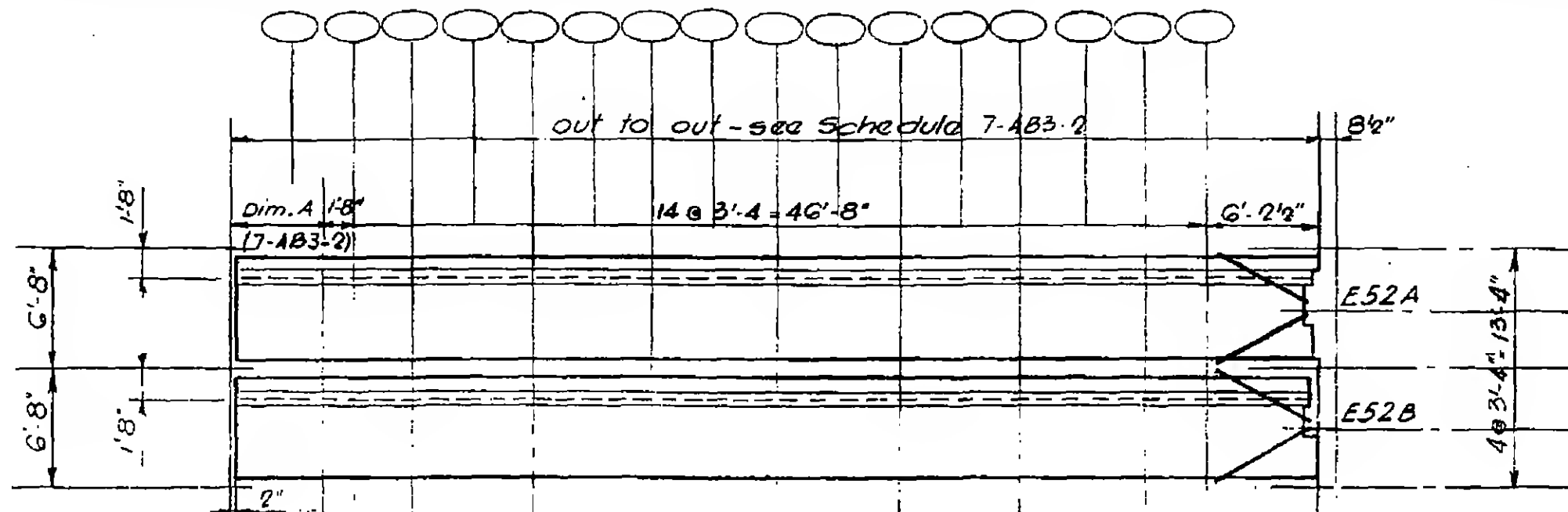
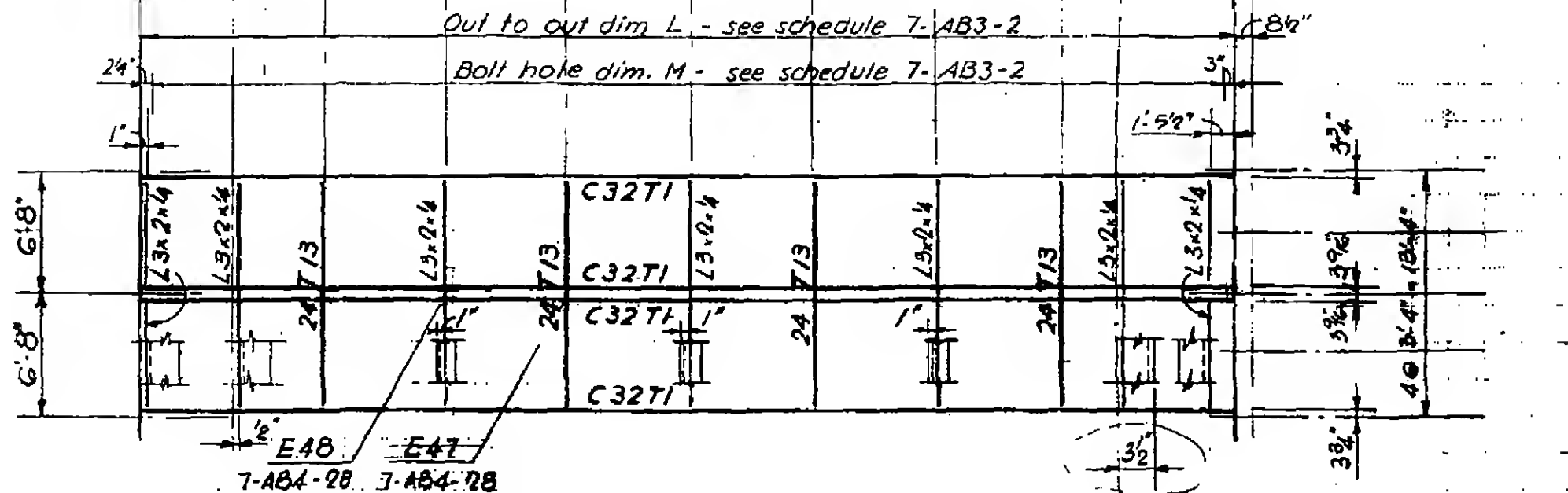


Plan Top Chord



REVISIONS

1-3-68
1-26-68
2-15-68
4-1-68
7-22-68
10-15-68

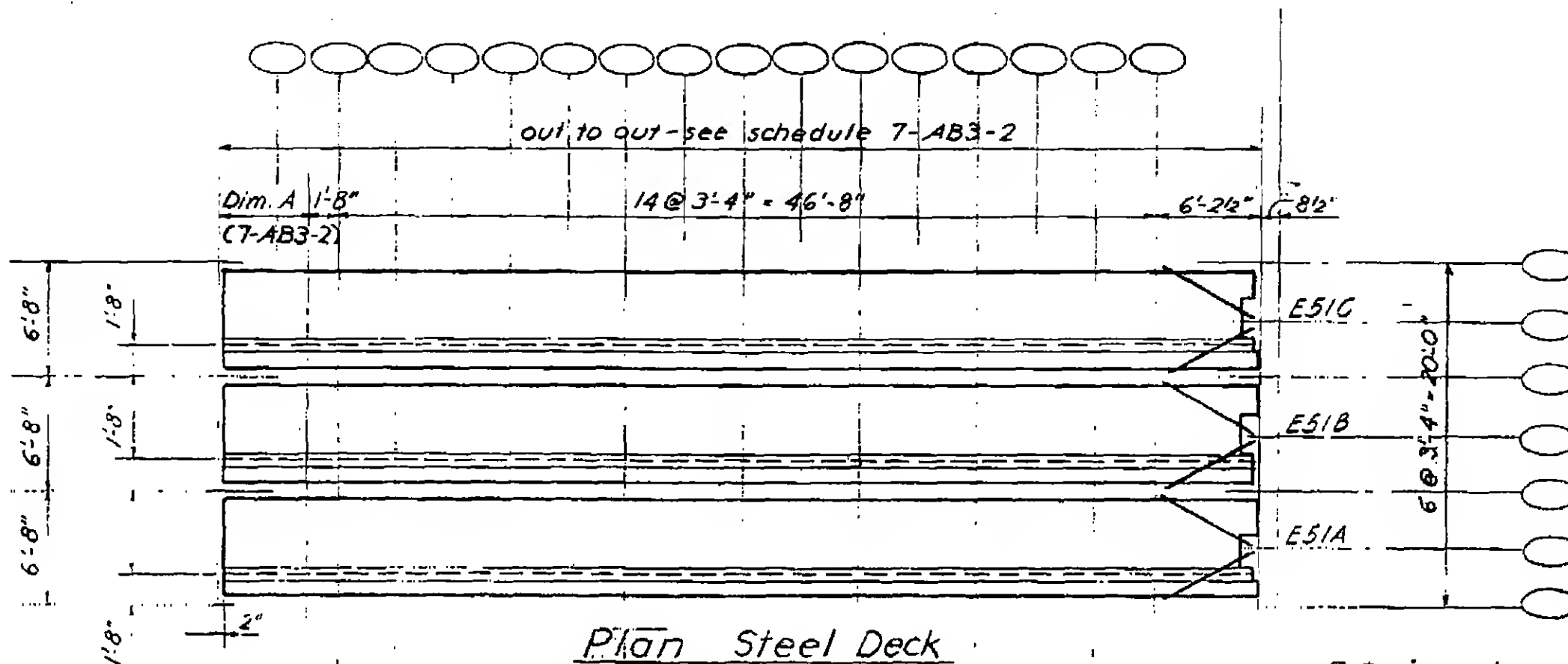
Plan Steel DeckPlan Top Chord

PROJECT THE WORLD TRADE CENTER TITLE FLOOR PANEL C1

DATE 10-20-67

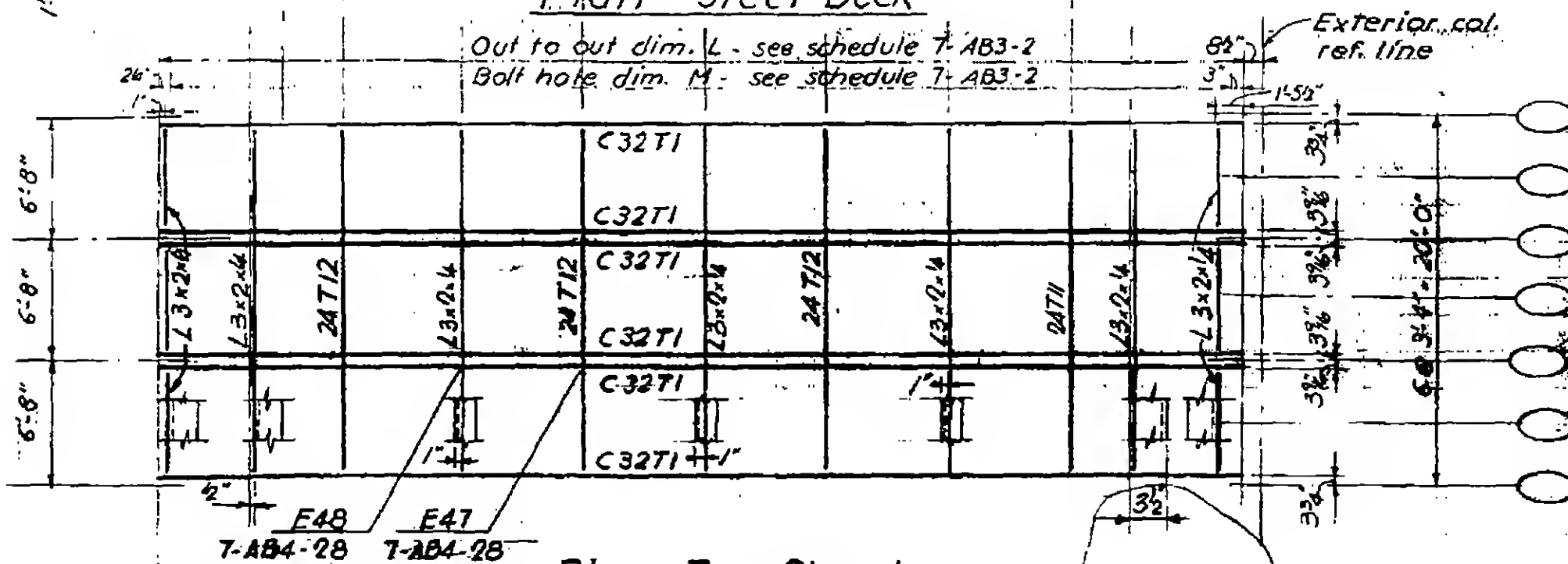
REVISIONS

1-3-68
1-26-68
2-15-68
4-1-68
7-22-68
10-15-68



Plan Steel Deck

Out to out dim. L - see schedule 7-AB3-2
Bolt hole dim. M - see schedule 7-AB3-2

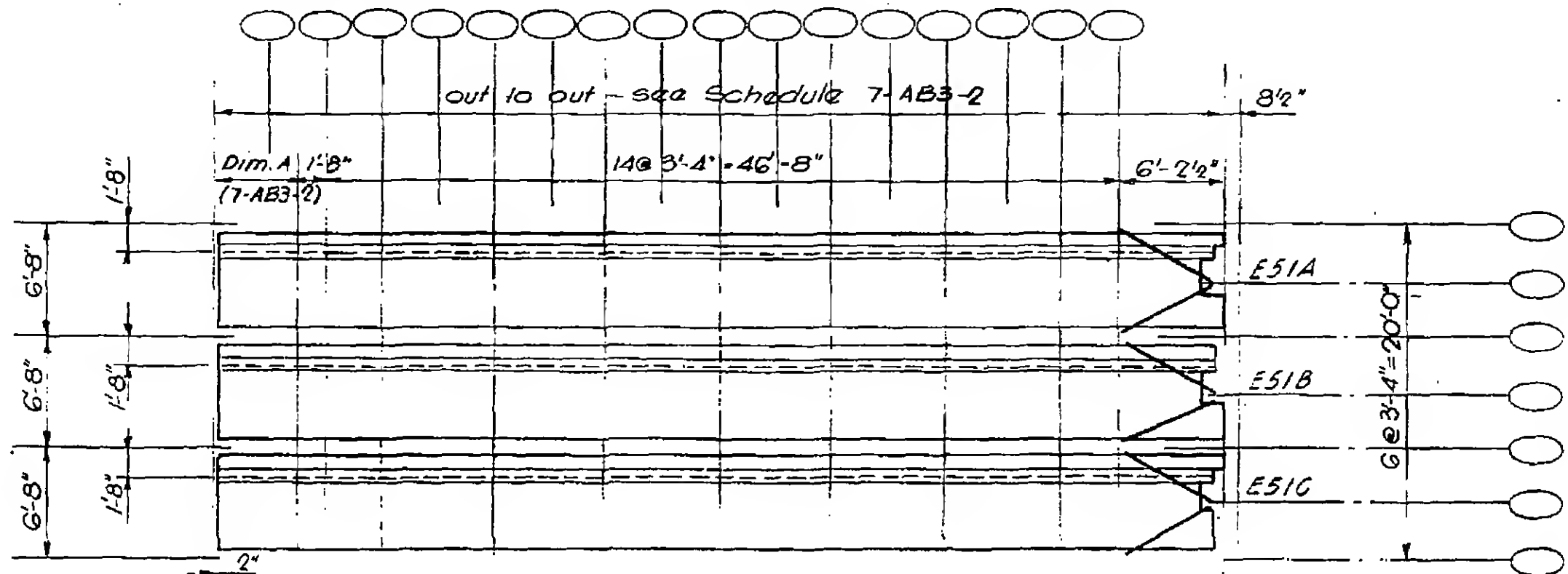


Plan Top Chord



REVISIONS

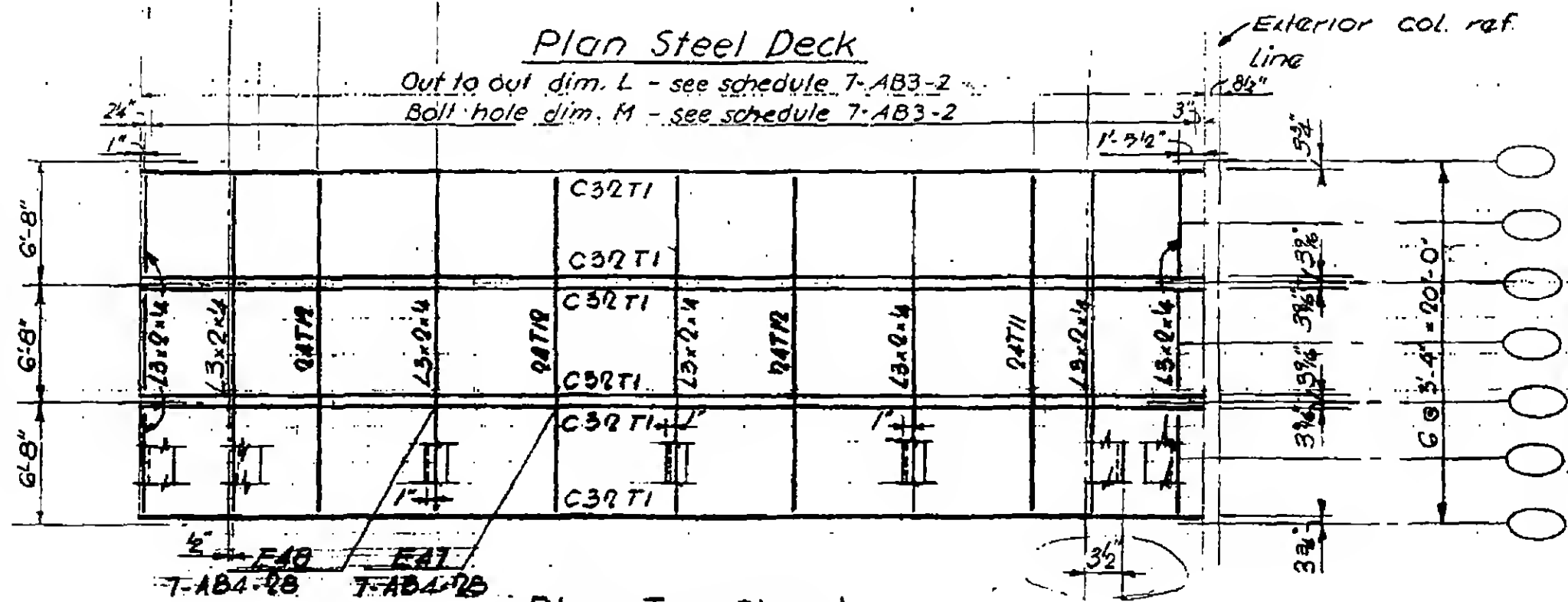
1-3-68
1-26-68
2-15-68
4-1-68
7-22-68
10-15-68



Plan Steel Deck

Out to out dim. L - see schedule 7-AB3-2

Bolt hole dim. M - see schedule 7-AB3-2

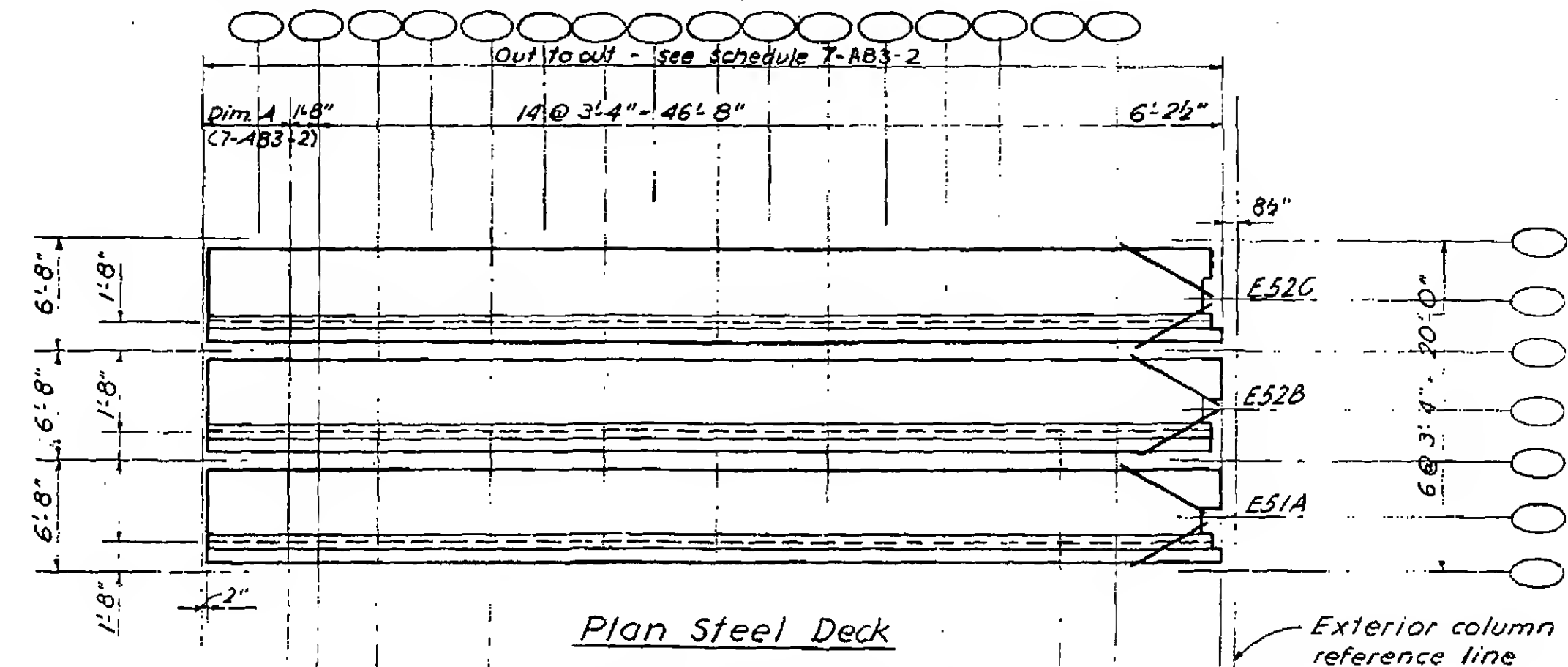


Plan Tap Chord



REVISIONS

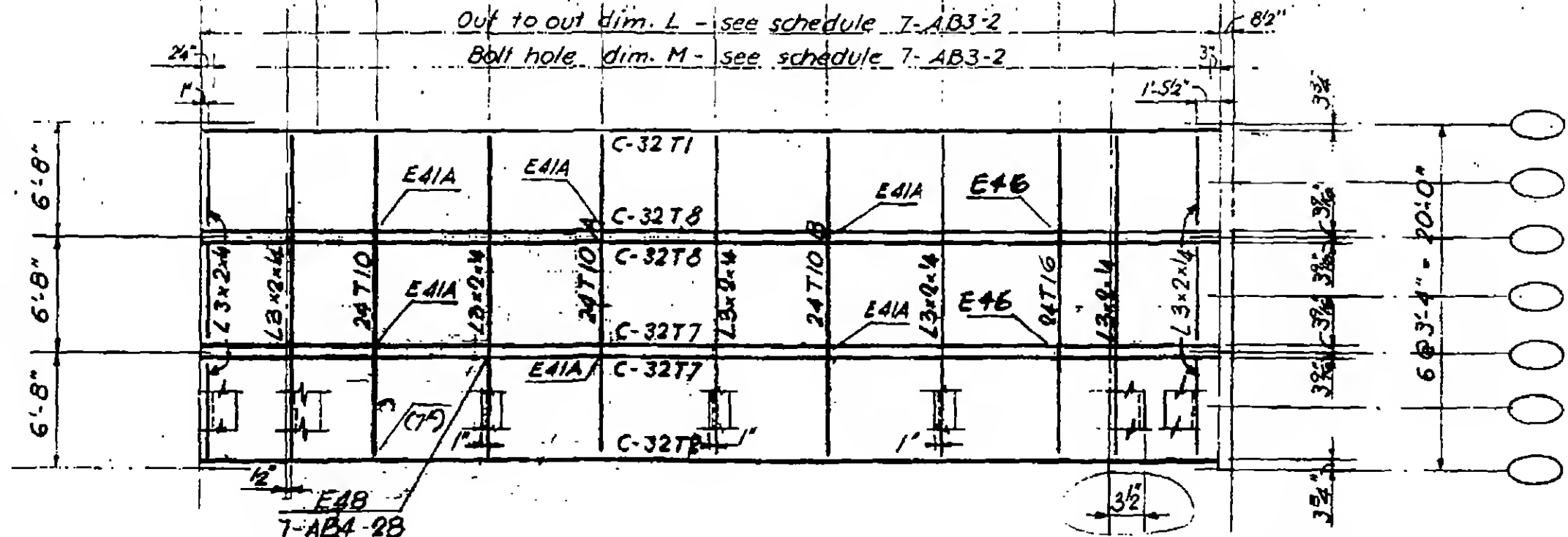
1-3-68
1-26-68
4-1-68
4-15-68
7-22-68
10-15-68



Plan Steel Deck

Out to out dim. L - see schedule 7-AB3-2

Bolt hole dim. M - see schedule 7-AB3-2



Plan Top Chord

E46 see 7-AB4-22.1

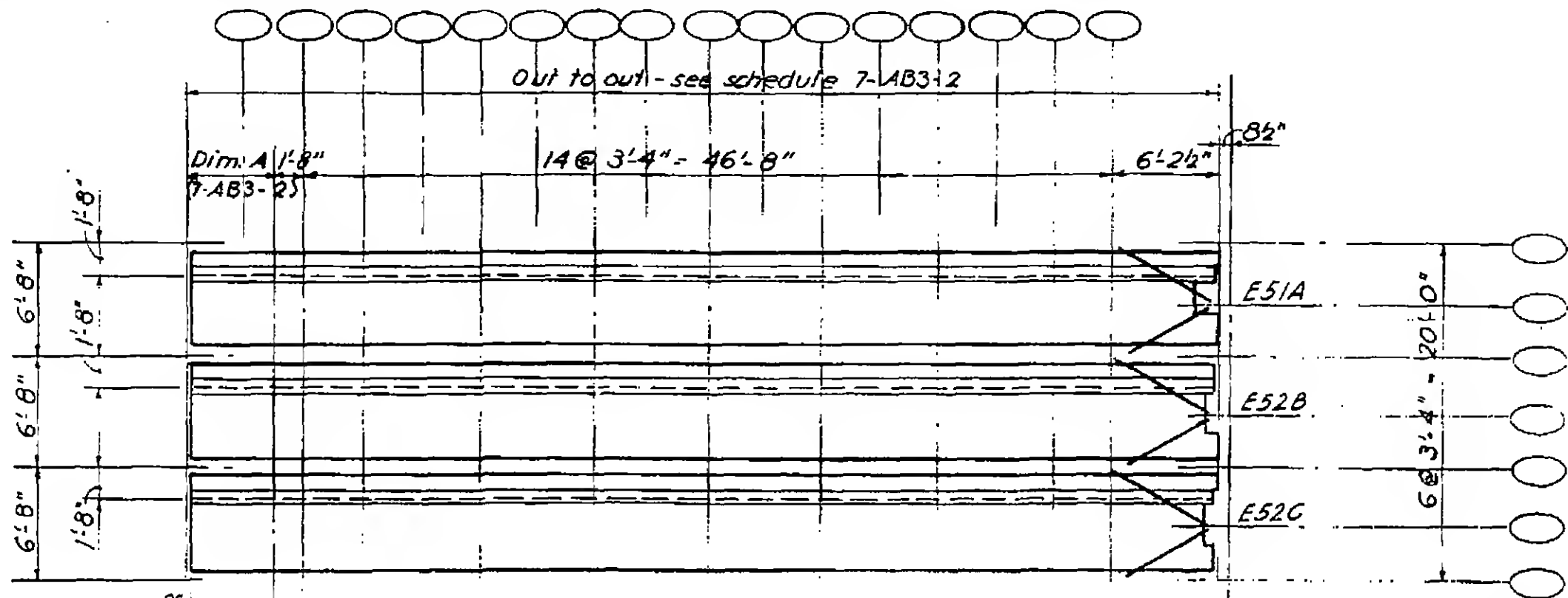
E41A see 7-AB4-22.

7-AB3-9



REVISIONS

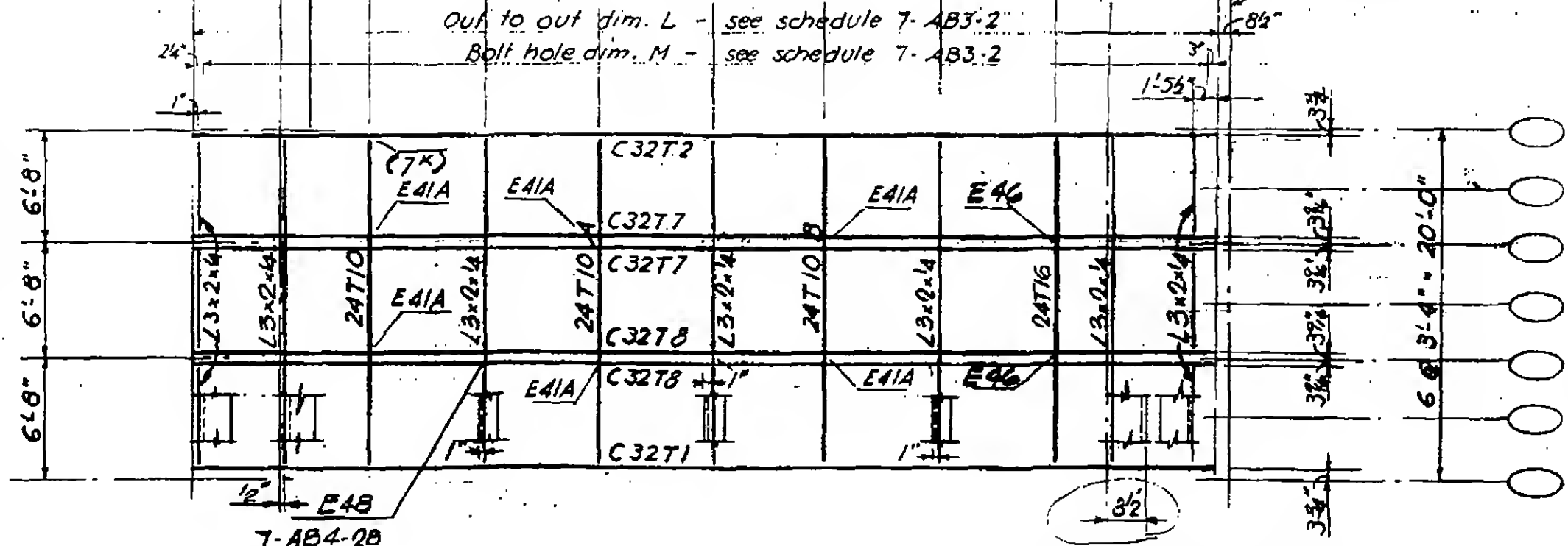
1-3-68
1-26-68
4-1-68
4-15-68
7-22-68
10-15-68



Plan Steel Deck

Out to out dim. L - see schedule 7-AB3-2
Bolt hole dim. M - see schedule 7-AB3-2

Exterior column
reference line



Plan Top Chord

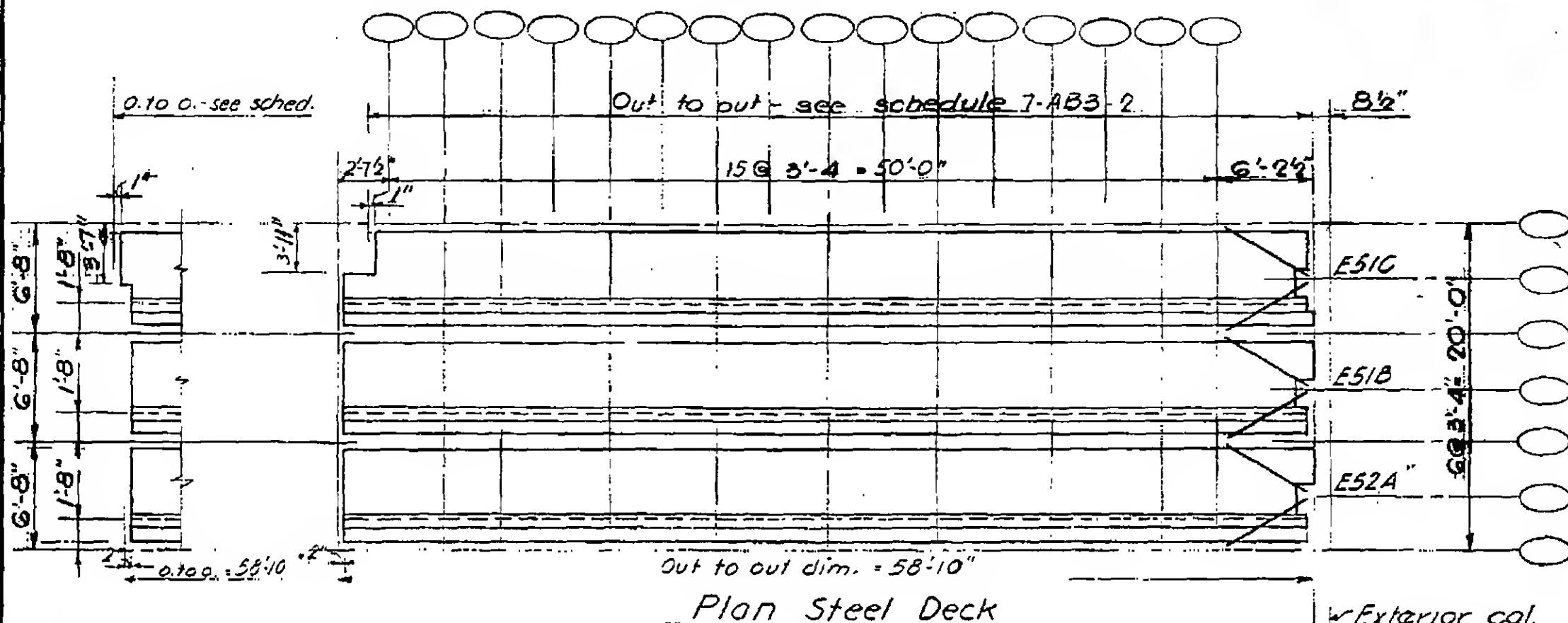
E4G see 7-AB4-22,1
E4IA see 7-AB4-22

7-483-10

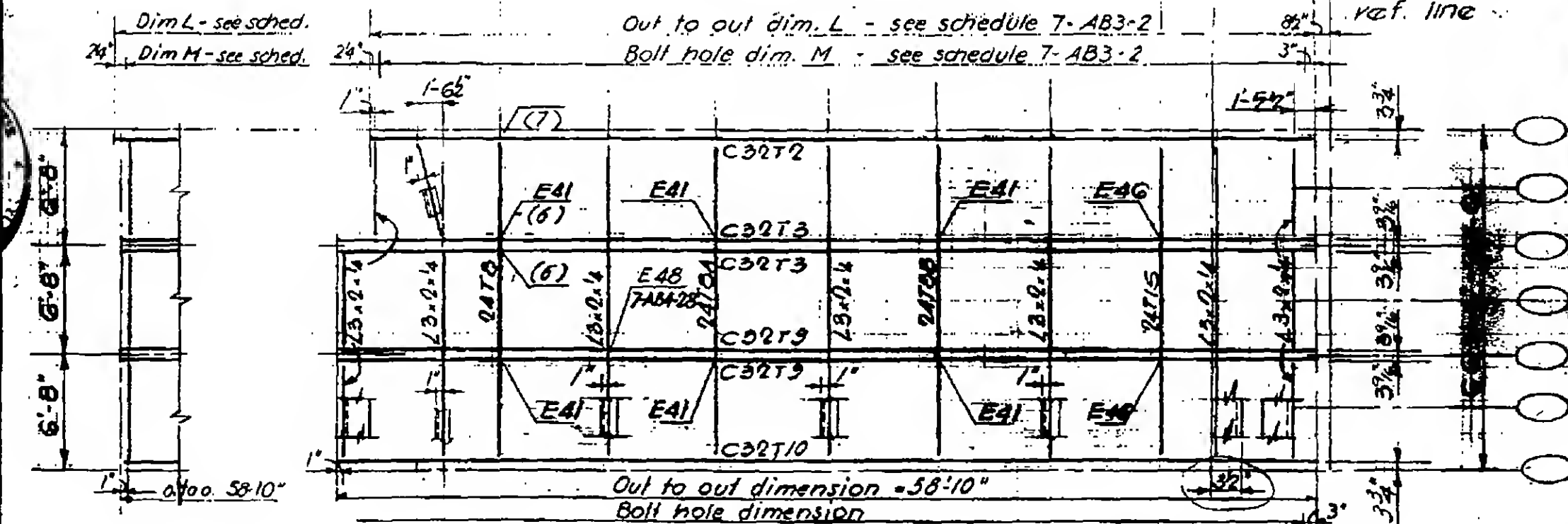


REVISIONS

1-3-68
1-26-68
4-1-68
4-15-68
5-10-68
7-22-68
10-15-68



Plan Steel Deck



Plan Top Chord

E41 see 7-AB4-22
E46 see 7-AB4-22.1

7-485-76



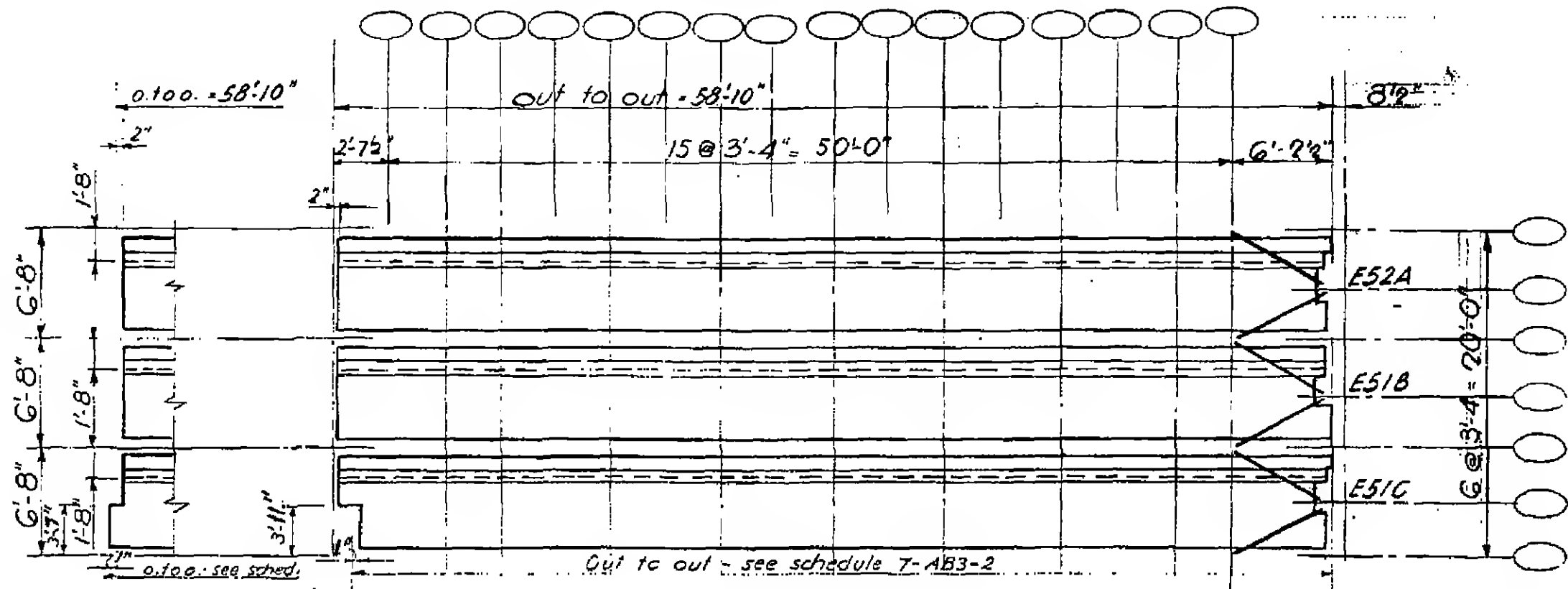
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL ERI

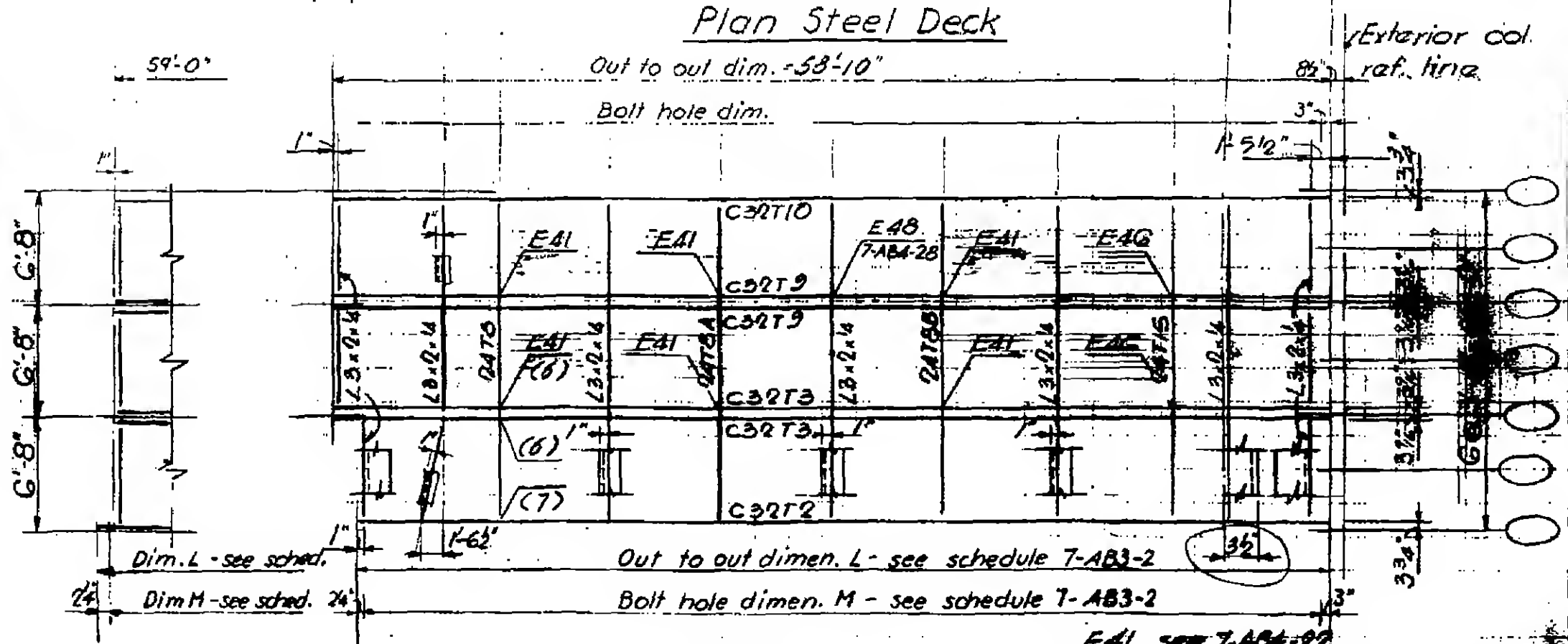
DATE 10-20-67

REVISIONS

1-3-68
1-26-68
4-1-68
4-15-68
5-10-68
7-22-68
10-15-68



Plan Steel Deck



Plan Top Chord

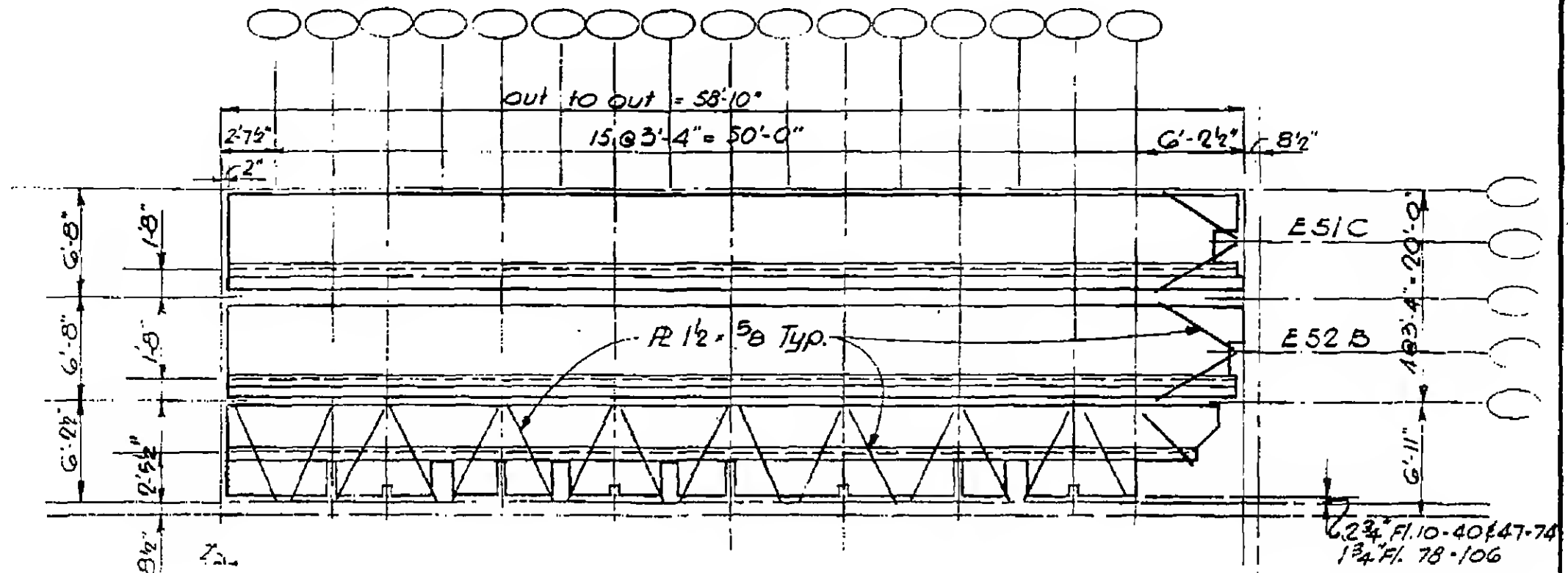
E41 see 7-AB4-22
E46 see 7-AB4-22.1

7-AB3-12

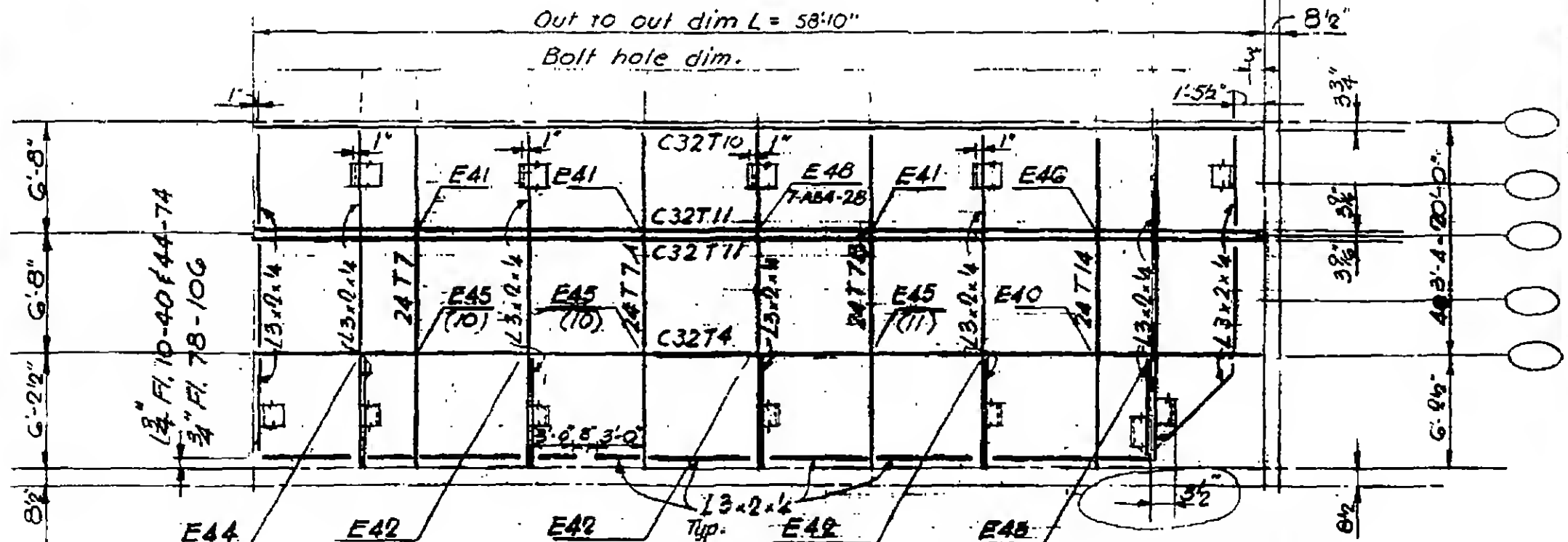


REVISIONS

1-3-68
1-26-68
4-1-68
5-10-68
7-22-68
10-15-68



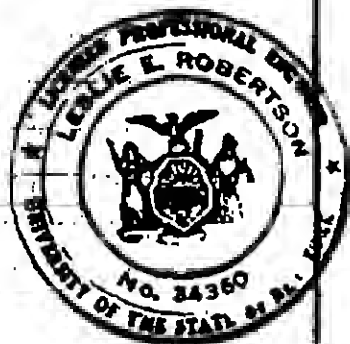
Plan Steel Deck



Plan Top Chord

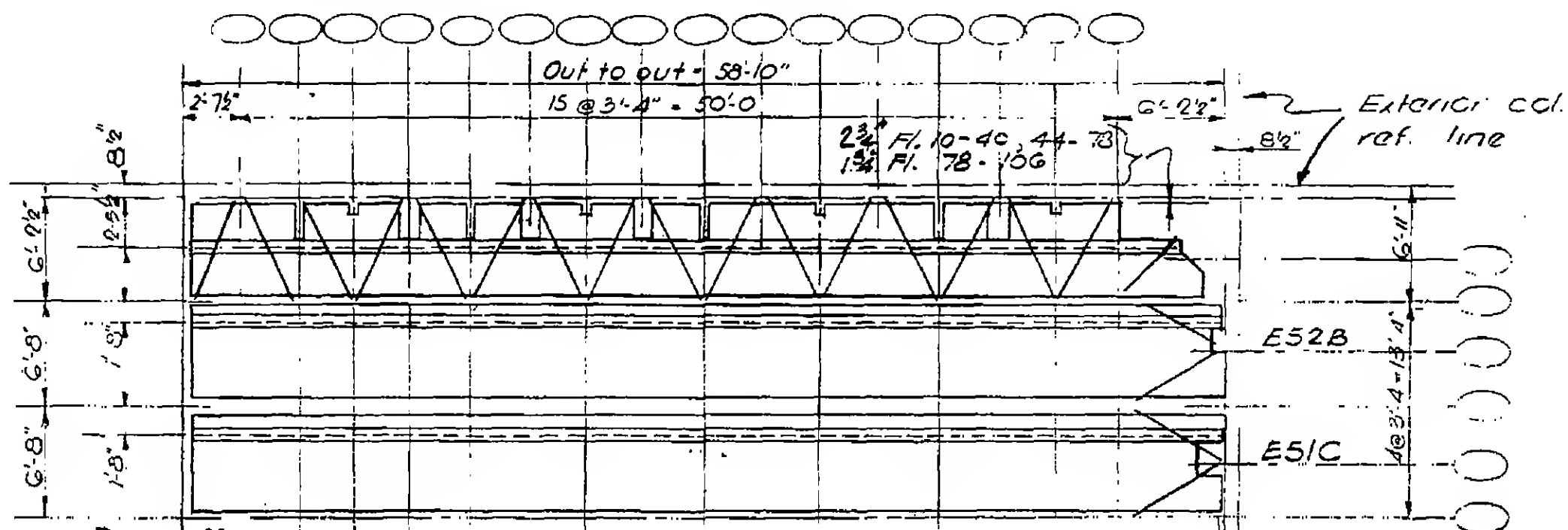
E40-E46 see 7-AB4-21-25

7-AB3-13

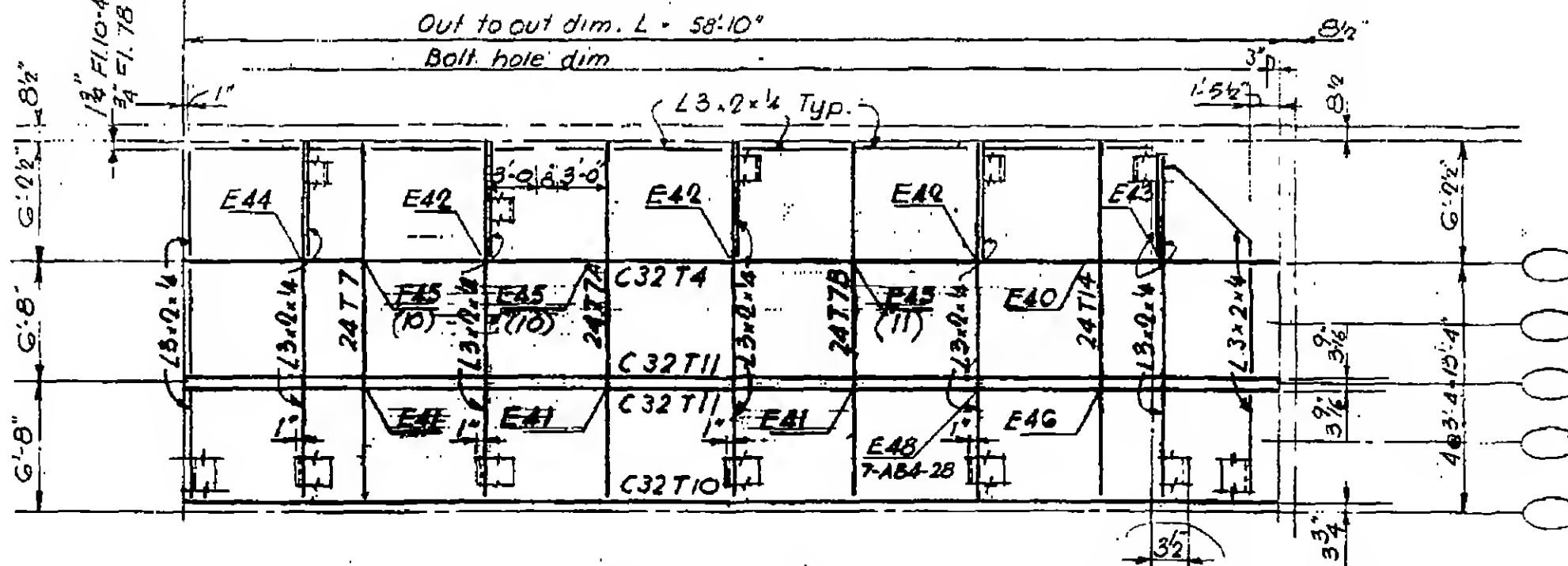


REVISIONS

1-3-68
1-26-68
4-1-68
5-10-68
7-22-68
10-15-68

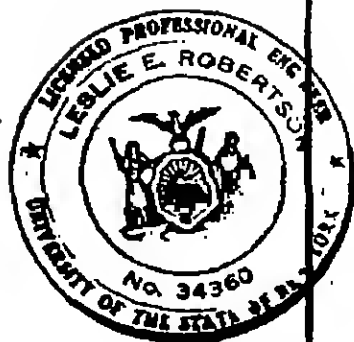


Plan Steel Deck



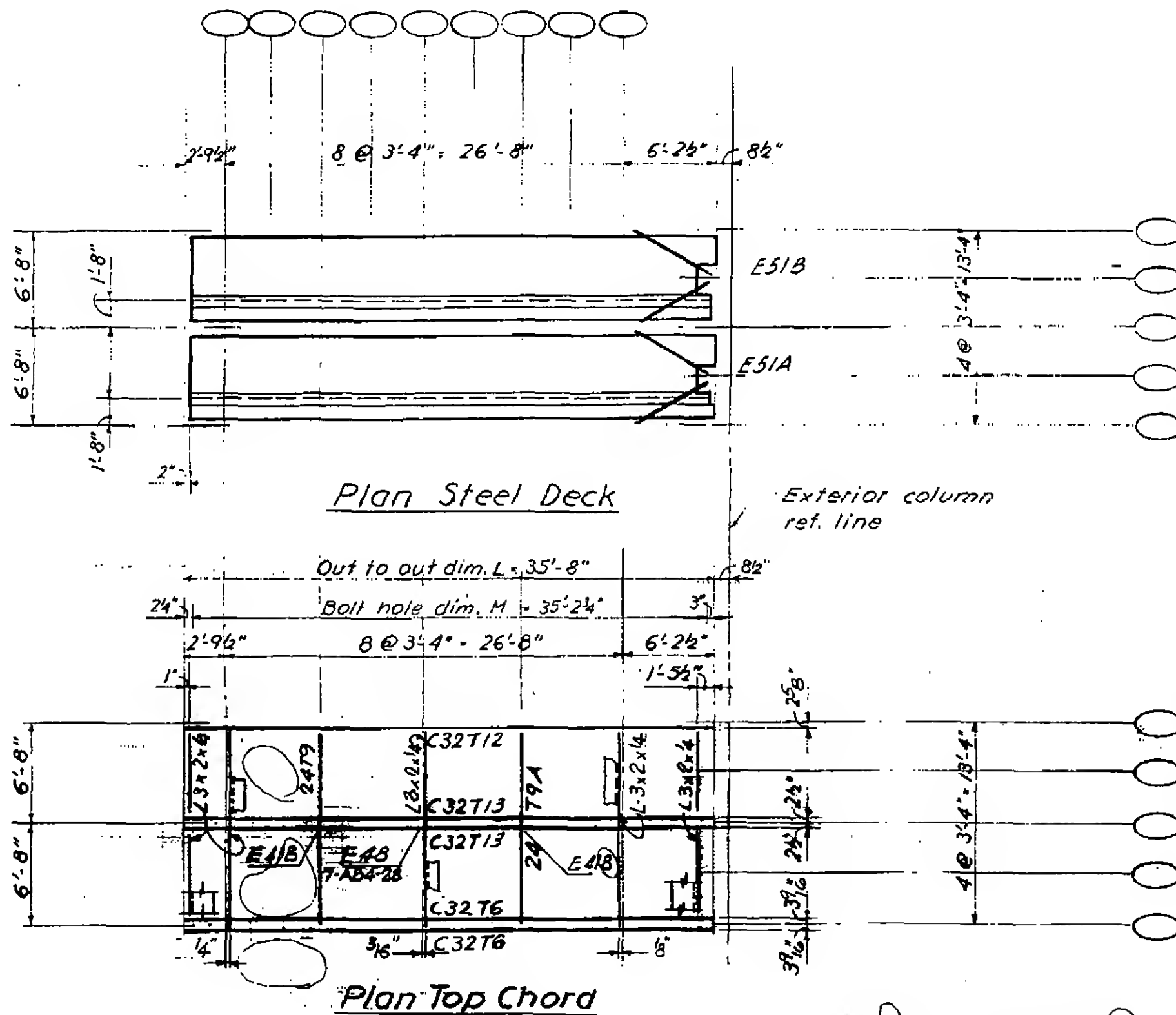
Plan Top Chord

E40-E46 see 7-AB4-21-25



REVISIONS

1-3-68
1-26-68
4-1-68
5-10-68
7-22-68



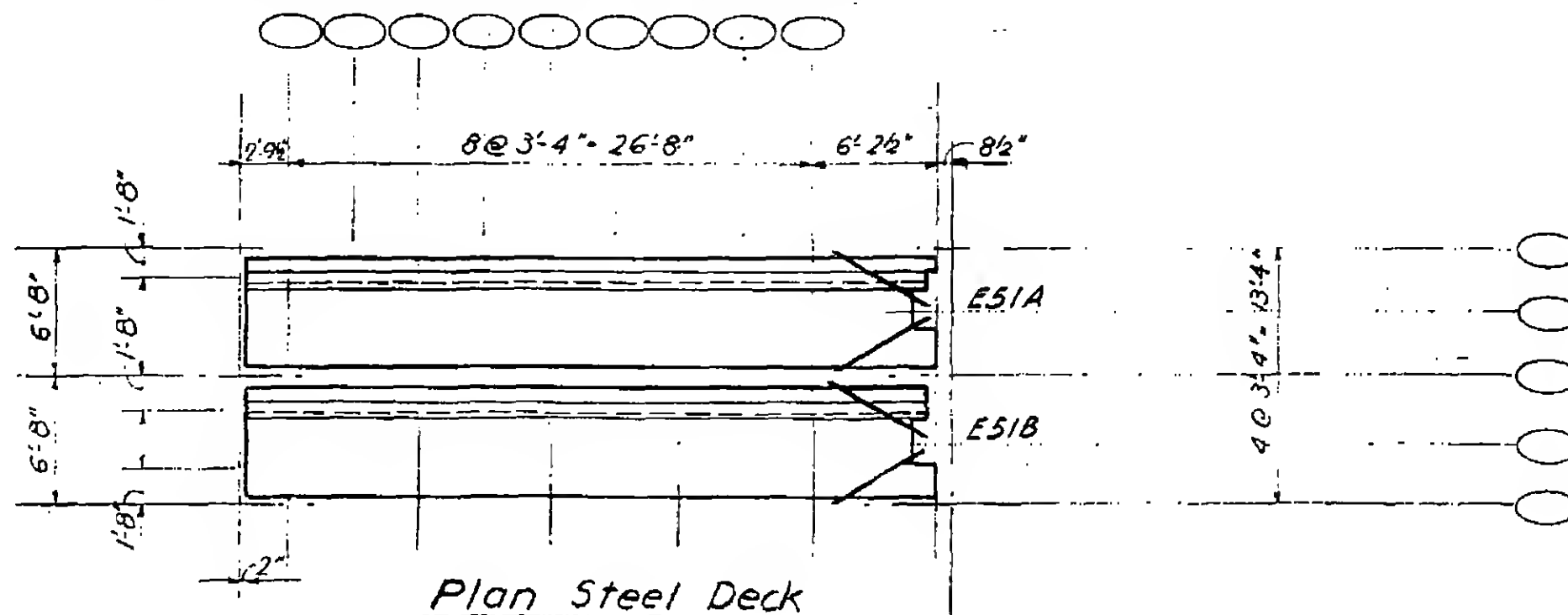
E418 See 7-AB4-22.1

7-AB3-15

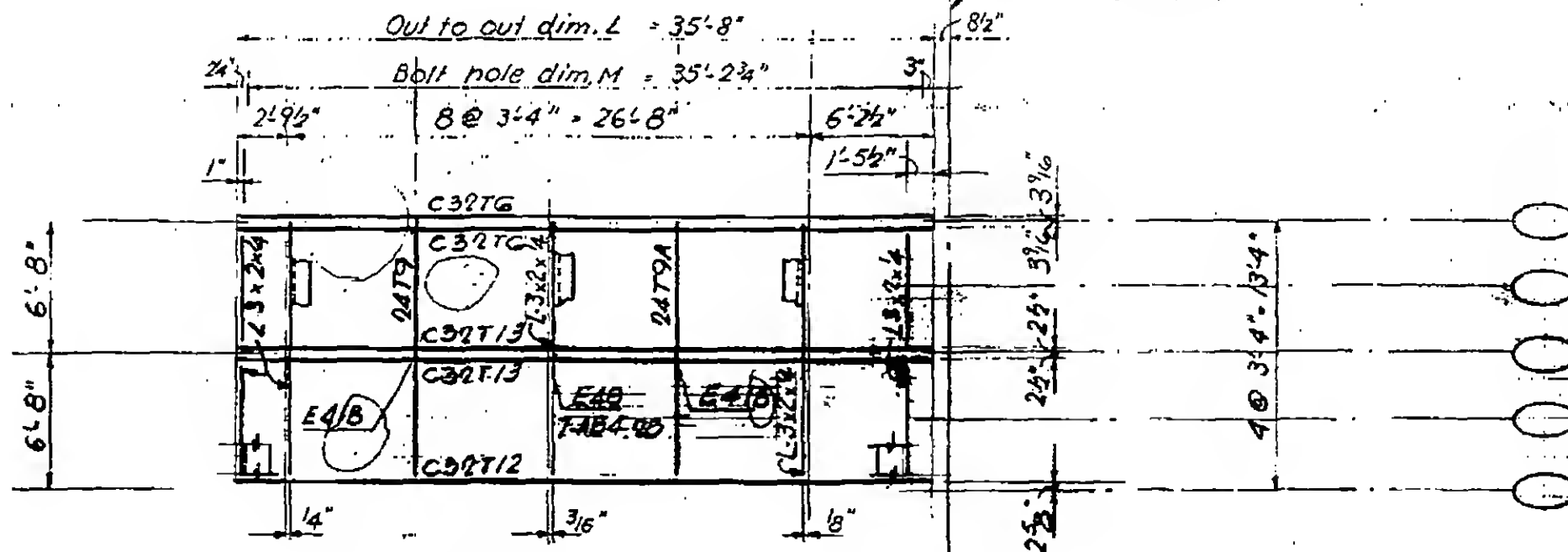


REVISIONS

1-3-68
1-26-68
4-1-68
5-10-68
7-22-68

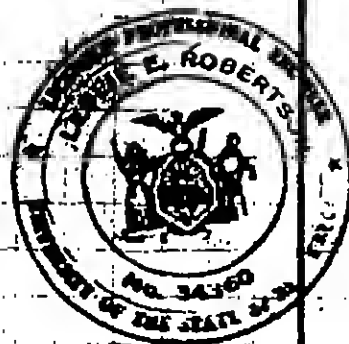


Plan Steel Deck



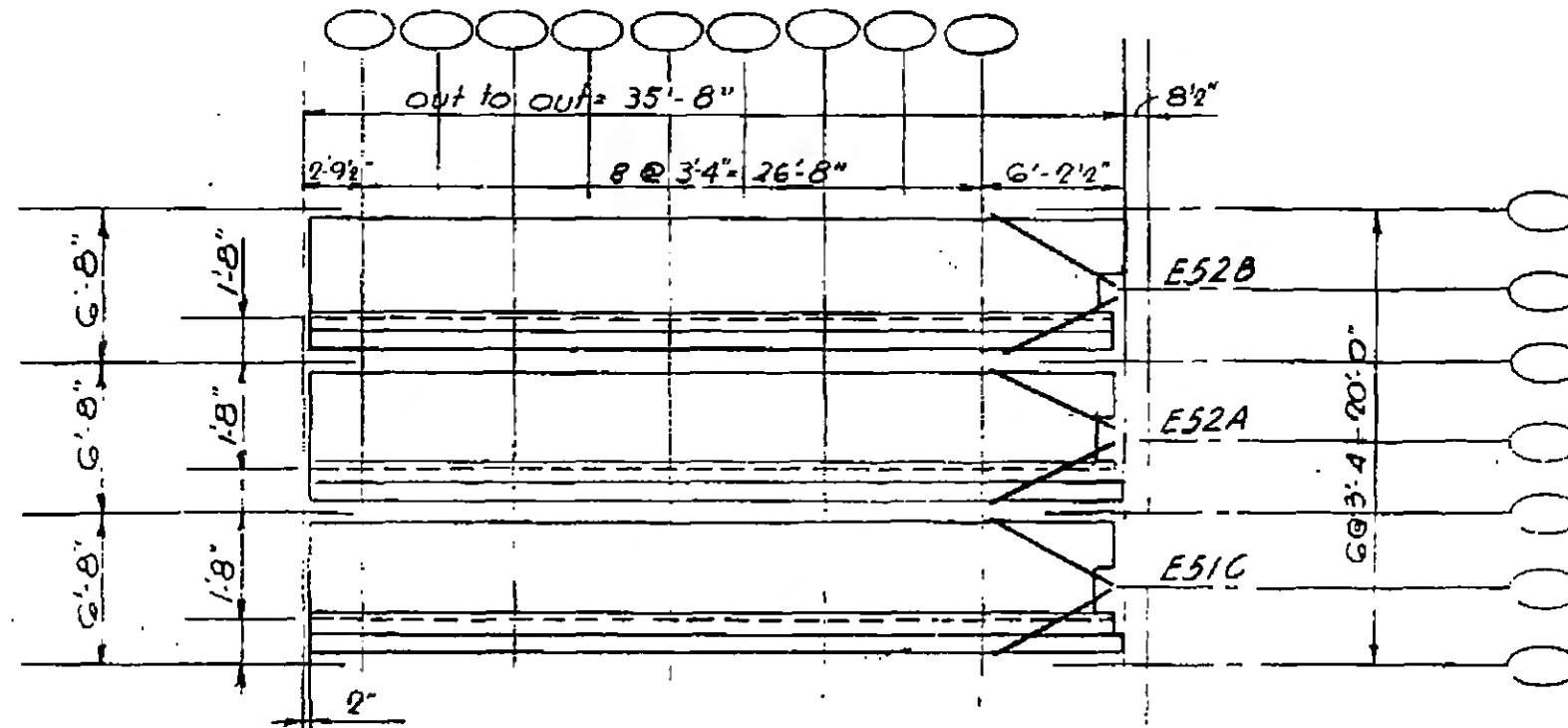
Plan Top Chord

E41B See 7-AB4-22.1

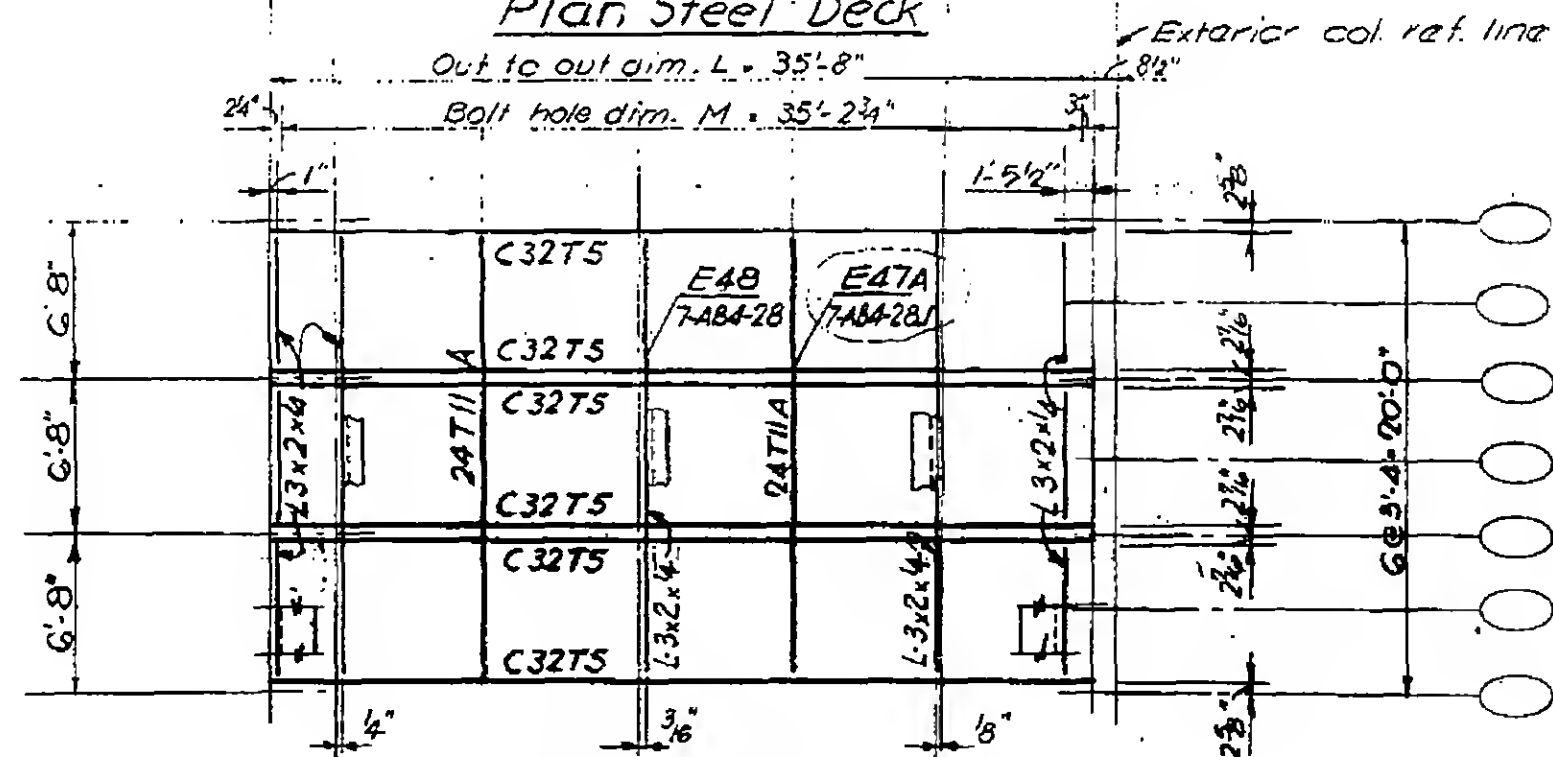


REVISIONS

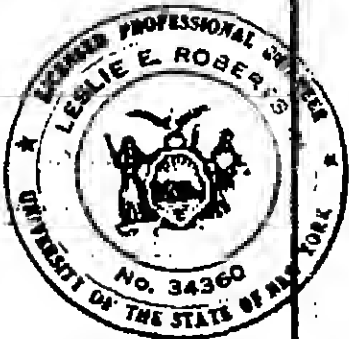
1-3-68
1-26-68
2-15-68
4-1-68
5-10-68
7-22-68



Plan Steel Deck

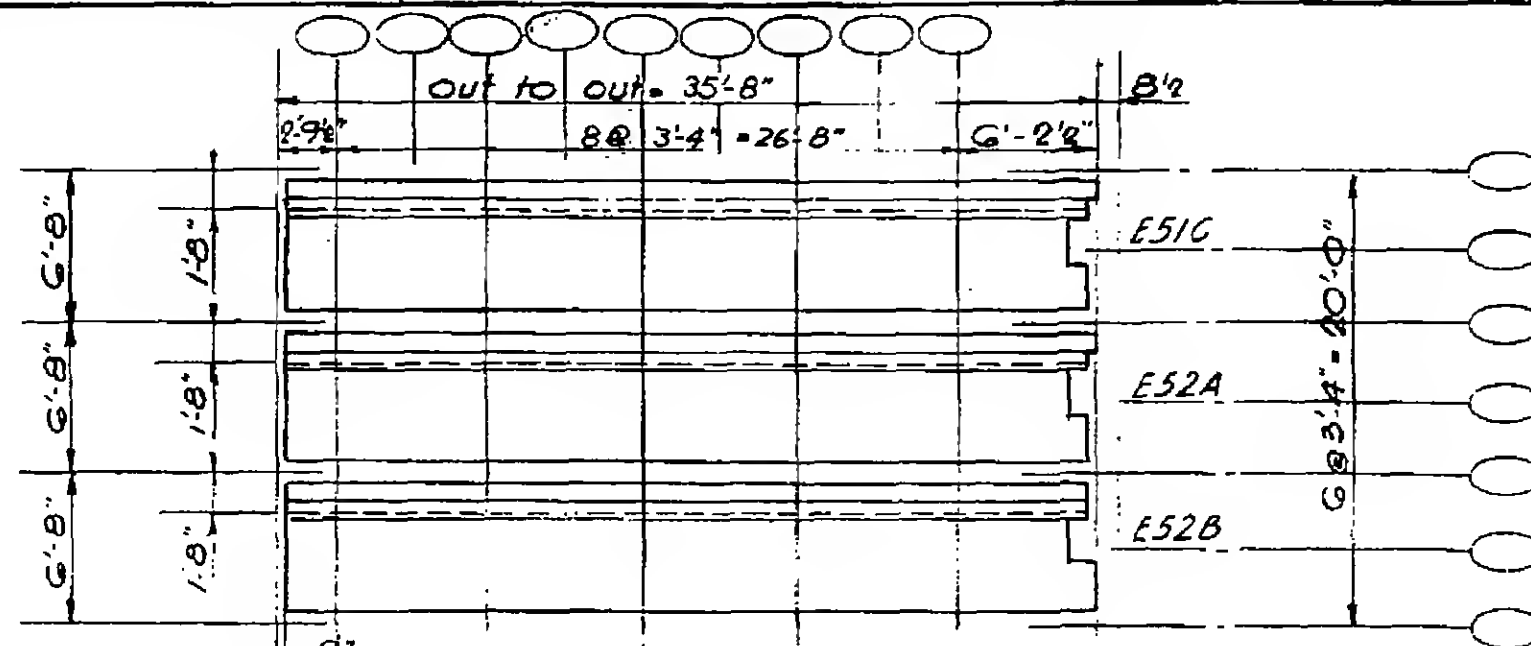


Plan Top Chord



REVISIONS

1-3-68
1-26-68
2-15-68
4-1-68
5-10-68
7-22-68

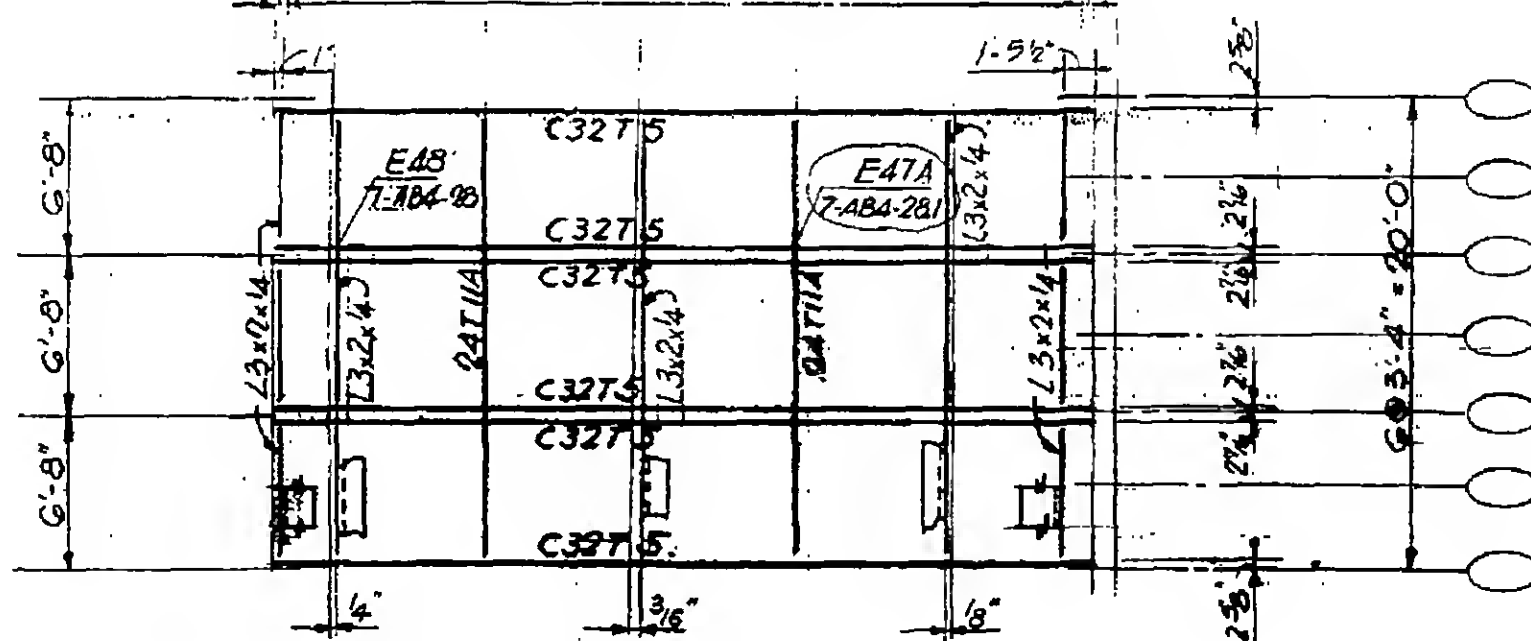


Plan Steel Deck

Out to out dim. L - 35'-8"

Bolt hole dim. M = 35-2 3/4"

✓ Exterior col. ref line

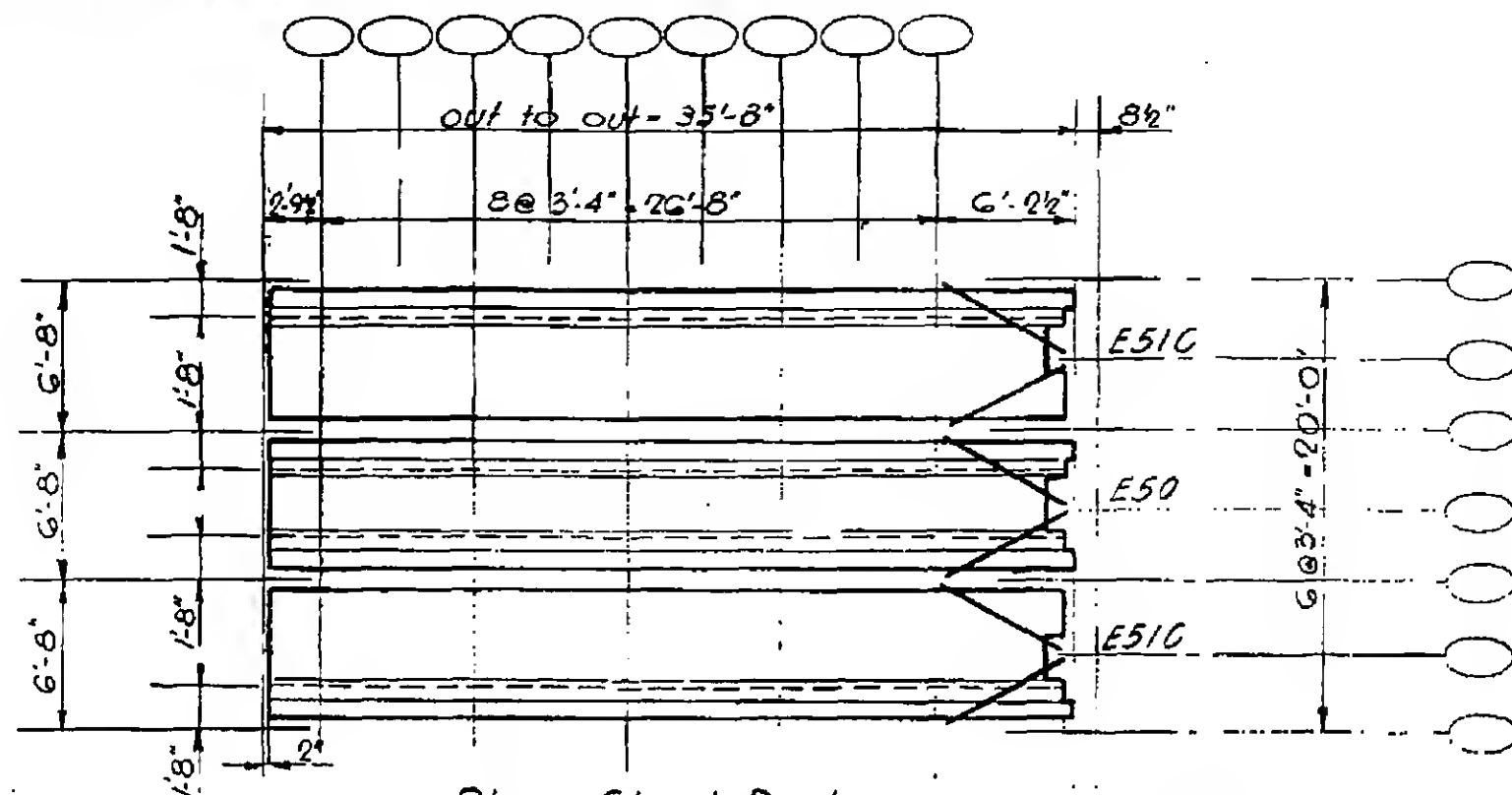


Plan Top Chord



REVISIONS

1-3-68
1-26-68
2-15-68
4-1-68
5-10-68
7-22-68

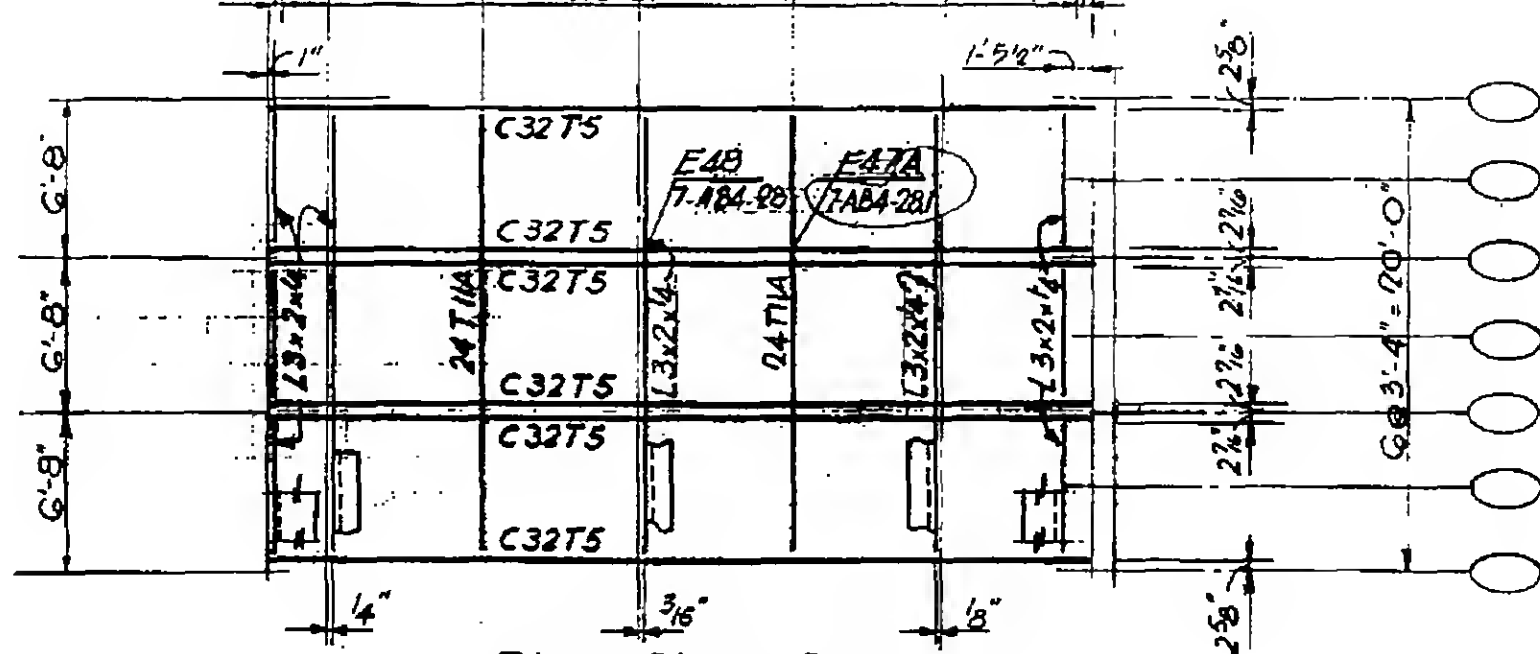


Plan Steel Deck

Out to out dim. L = 35'-8"

Bolt hole dim. $M = 35' - 2\frac{3}{4}"$

/ Exterior ccl. ref line



Plan Steel Deck



PROJECT

THE WORLD TRADECENTER

TITLE

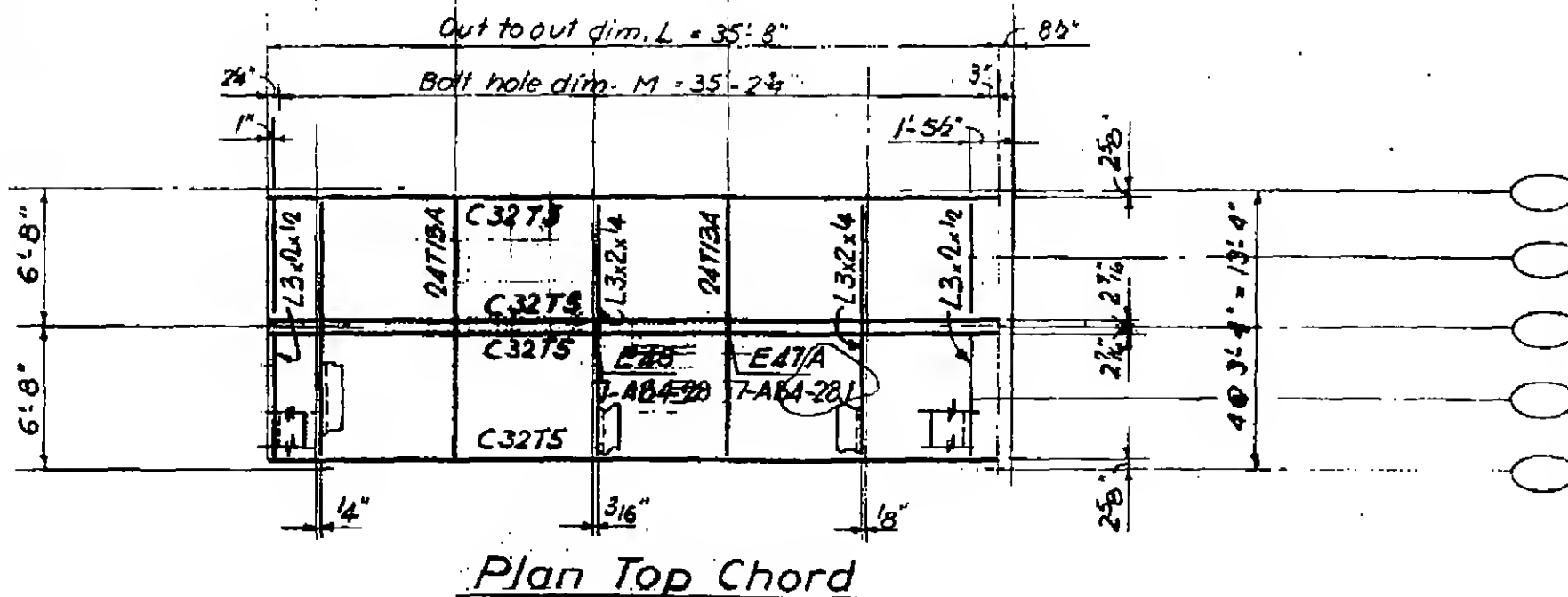
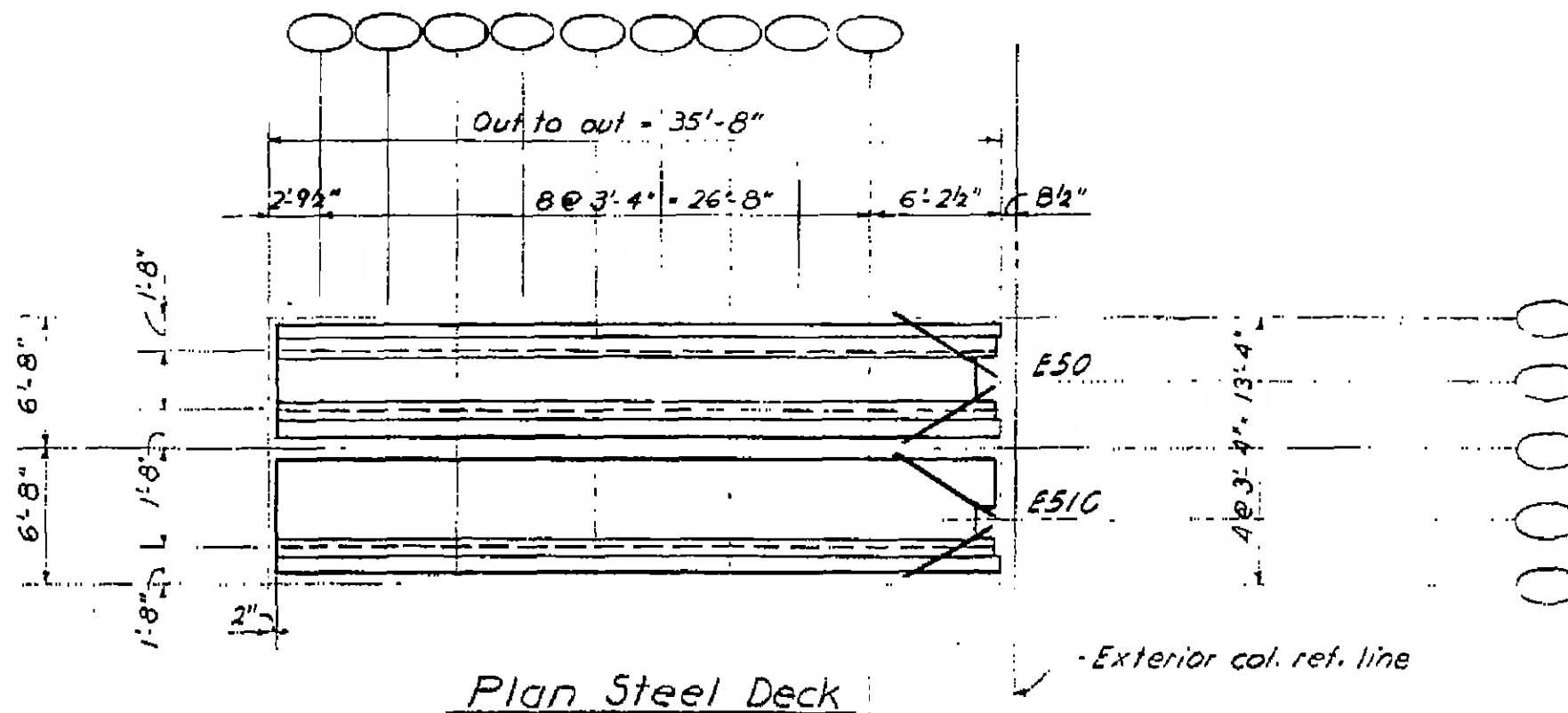
FLOOR PANEL KI

DATE

10-20-67

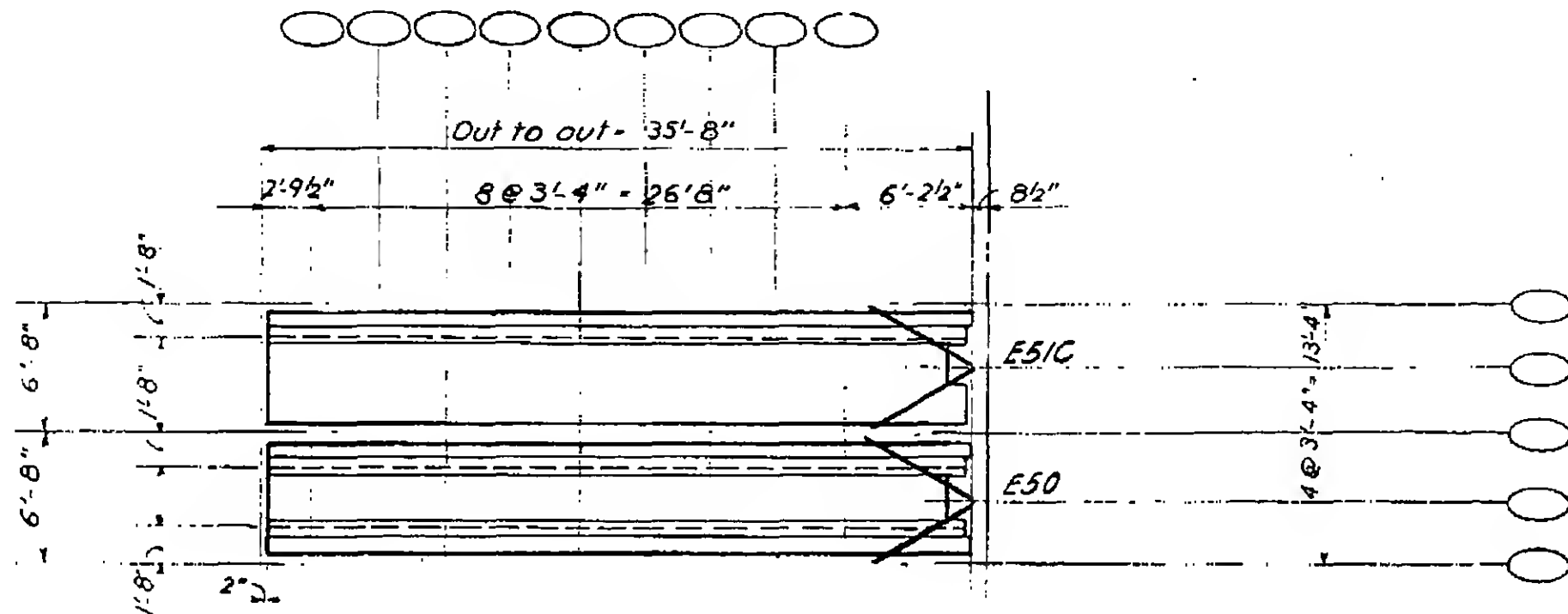
REVISIONS

1-3-68
 1-26-68
 2-15-68
 4-1-68
 5-10-68
 7-22-68

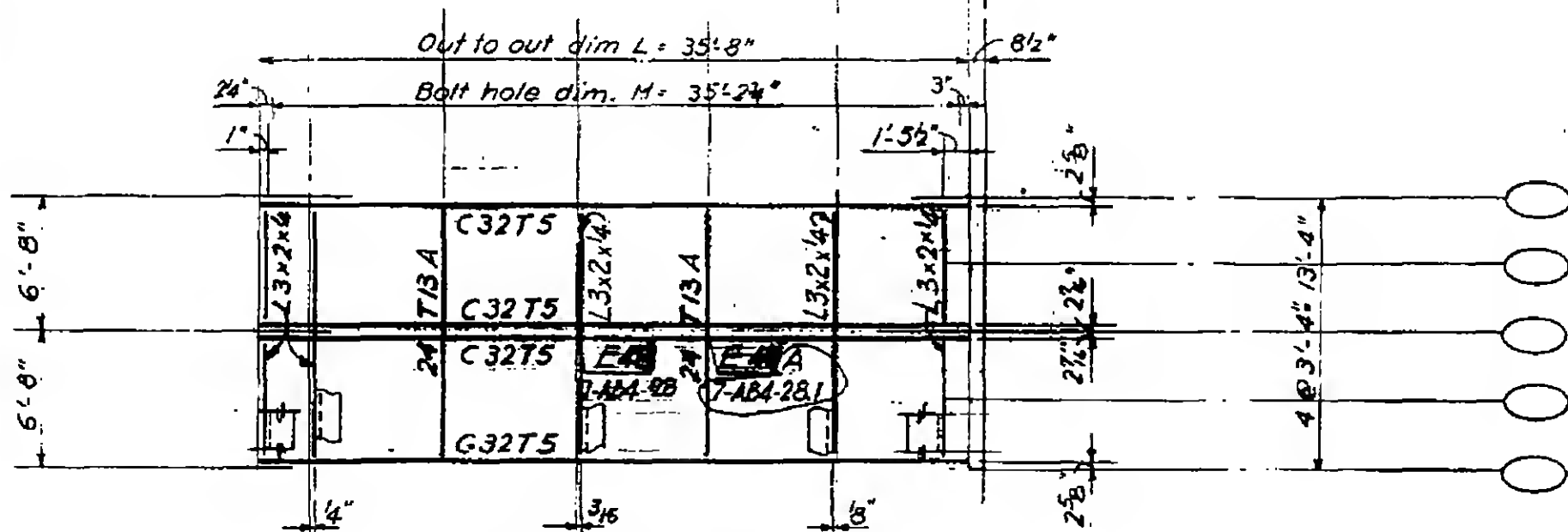


REVISIONS

1-3-68
1-26-68
2-15-68
4-1-68
5-10-68
7-22-68



Plan Steel Deck

Exterior column
ref. line

Plan Top Chord



PROJECT

THE WORLD TRADE CENTER

TITLE

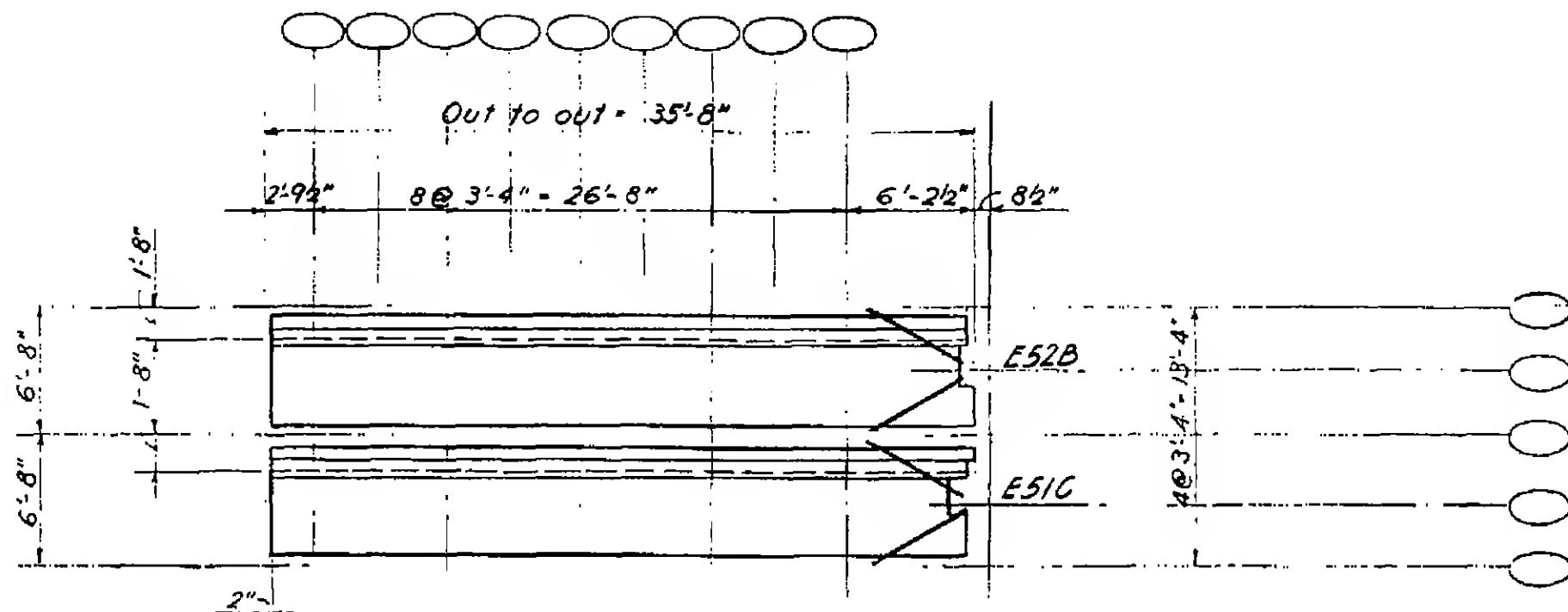
FLOOR PANEL M1

DATE

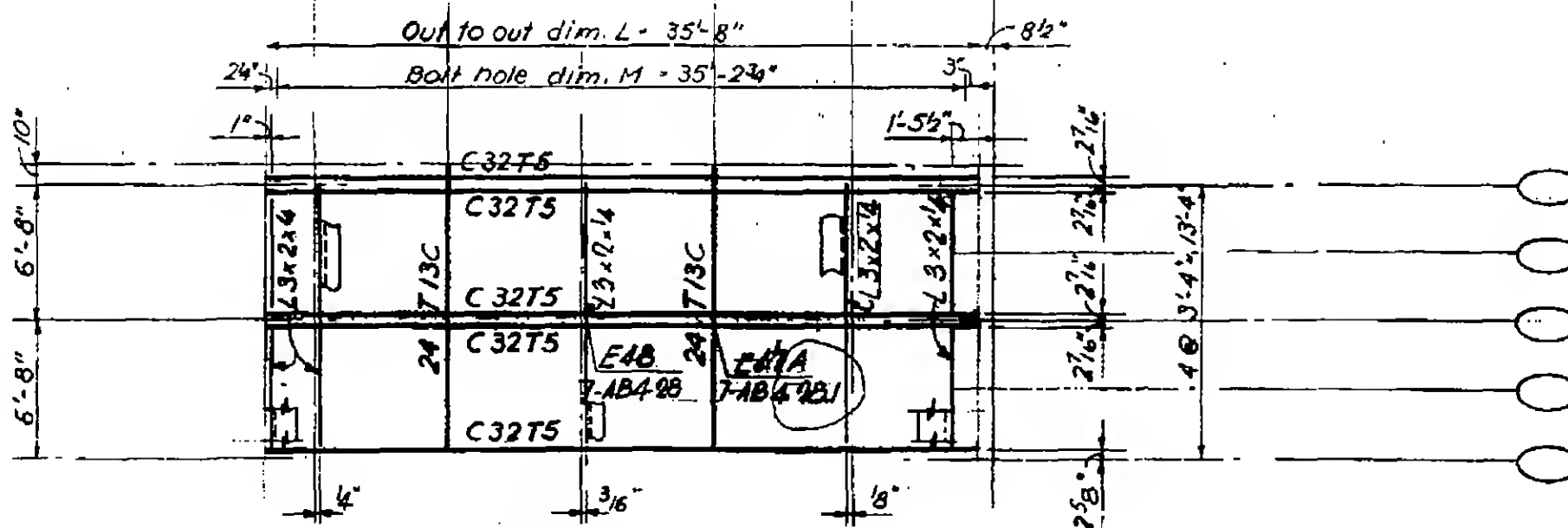
10-20-67

REVISIONS

1-3-68
1-26-68
2-15-68
4-1-68
5-10-68
7-22-68



Plan Steel Deck

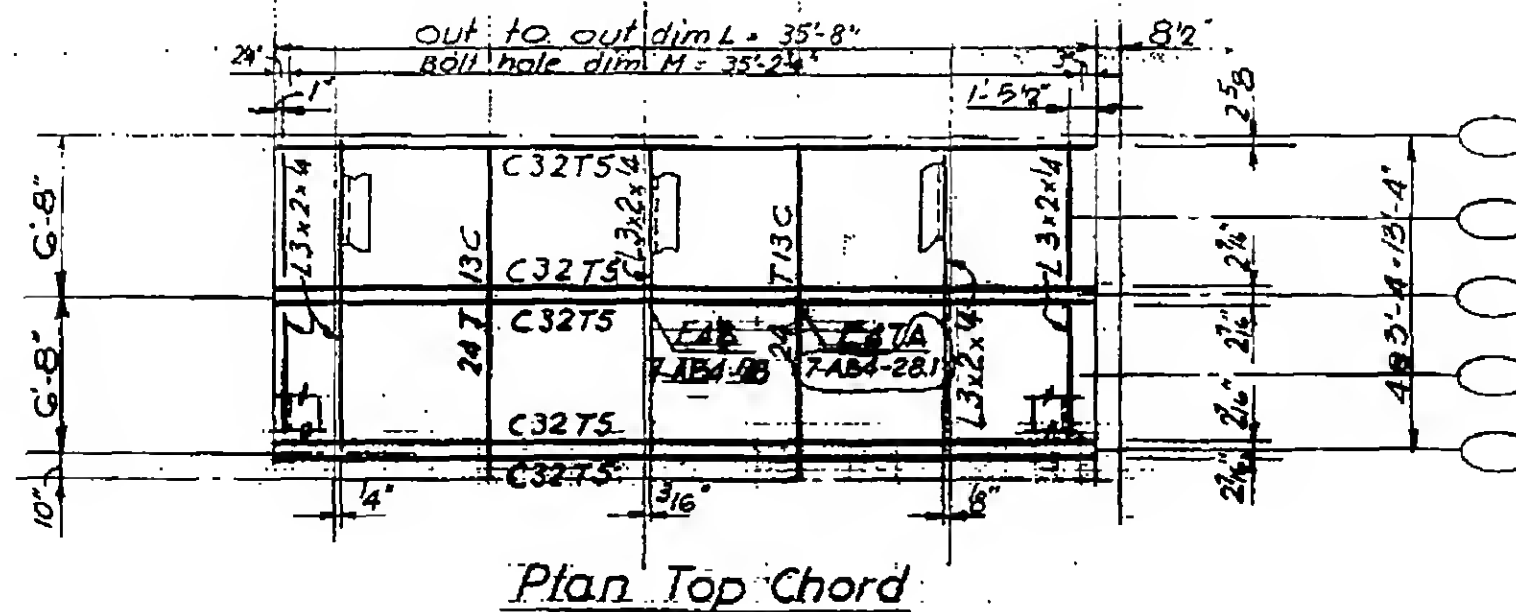
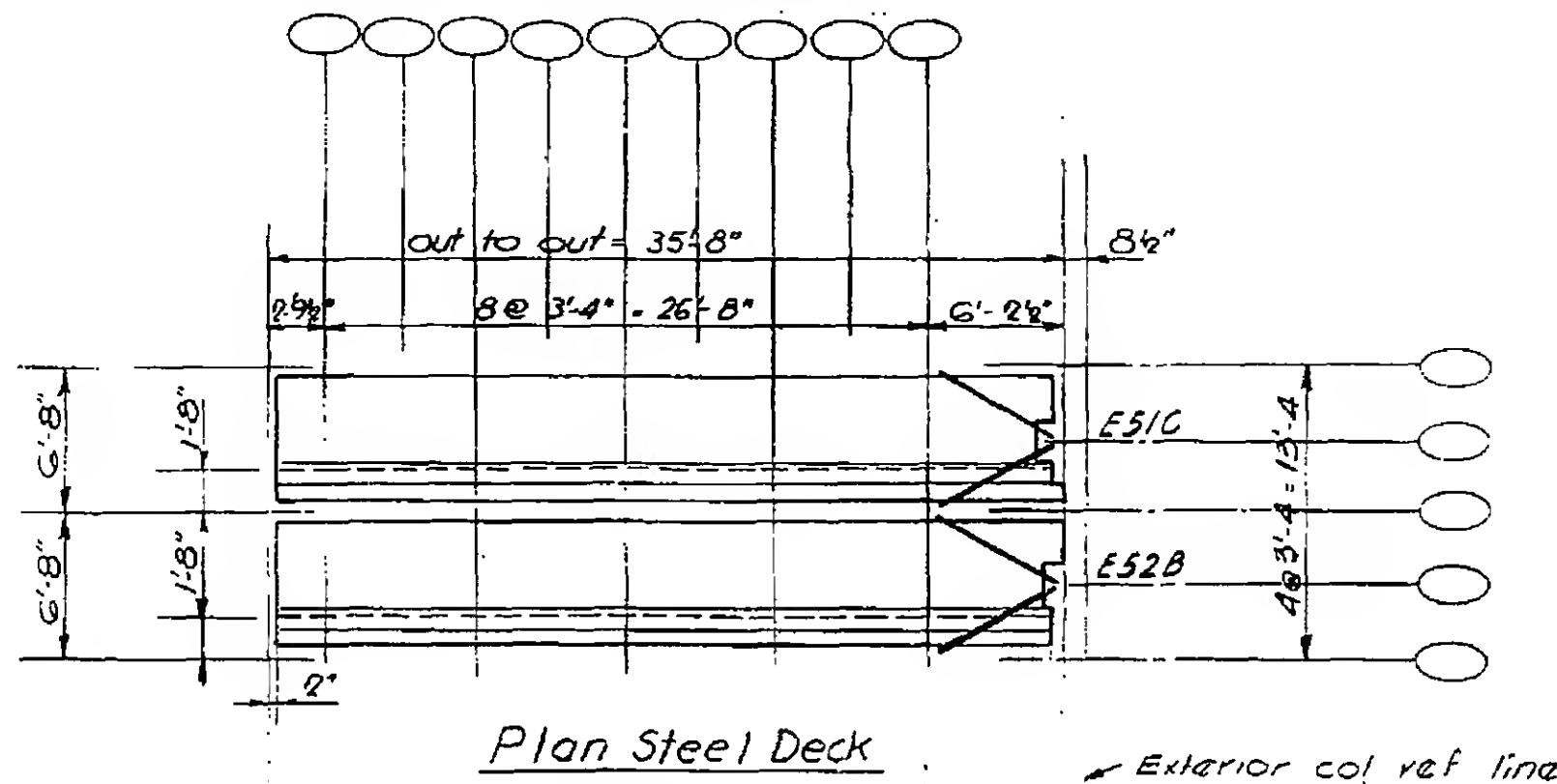
Exterior column
ref. line

Plan Top Chord



REVISIONS

1-3-68
1-26-68
2-15-68
4-1-68
5-10-68
7-22-68



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR

PANEL - DIMENSION SCHEDULE 2

DATE

8-15-68

REVISIONS

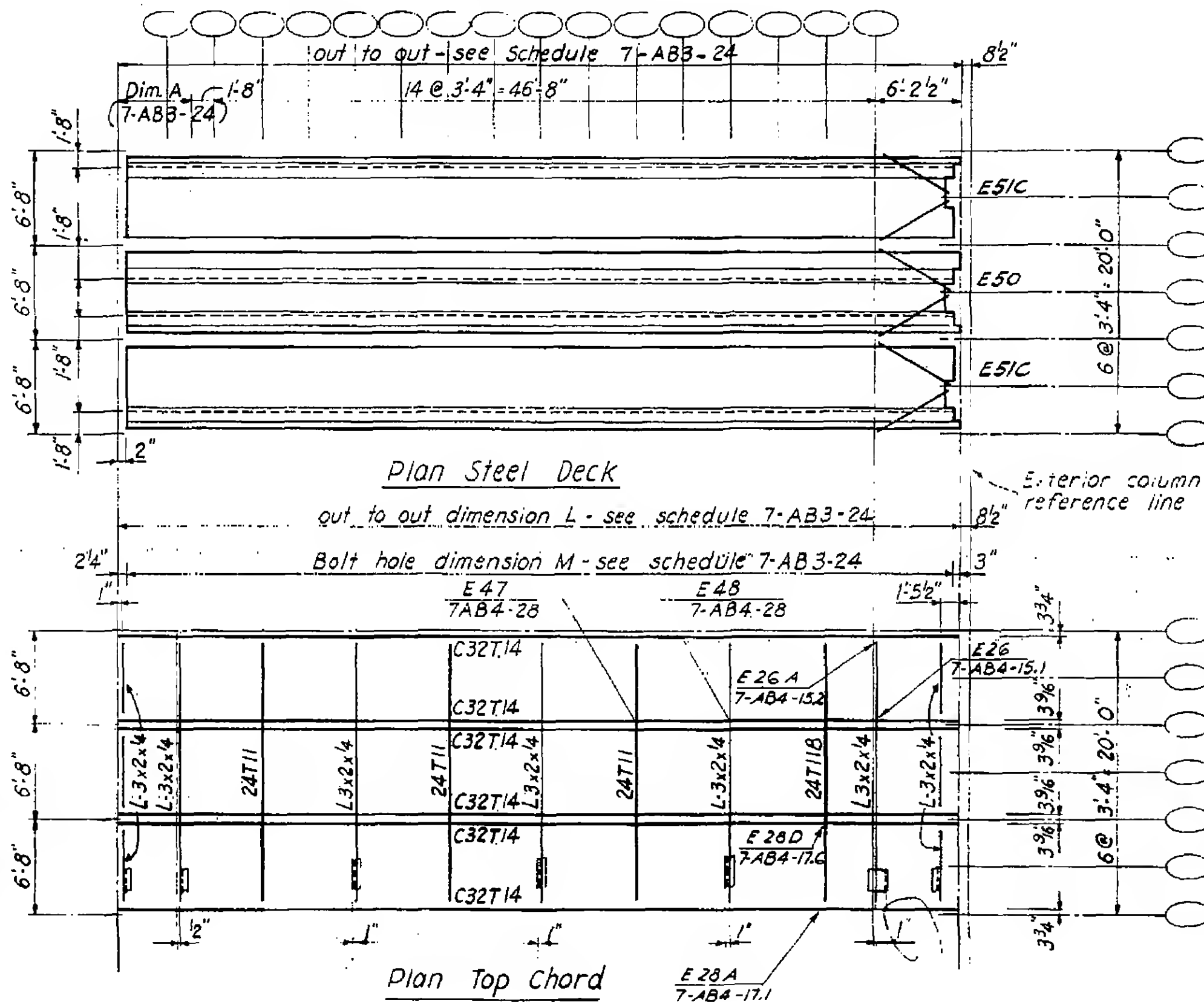
PANEL NO.									OUT TO OUT PANEL DIM. L	BOLT HOLE DIMENSION M	DIMENSION A
A/A	B/A	BRIA	C/A	CRIA	D/A	DR/A	E/A	ER/A	59' - 9"	59' - 3 $\frac{3}{4}$ "	5' - 2 $\frac{1}{2}$ "
A/B	B/B	BR/B	C/B	CR/B	D/B	DR/B	E/B	ER/B	59' - 8 $\frac{1}{2}$ "	59' - 3 $\frac{1}{4}$ "	5' - 2"
A/C	B/C	BR/C	C/C	CR/C	D/C	DR/C	E/C	ER/C	59' - 8"	59' - 2 $\frac{3}{4}$ "	5' - 1 $\frac{1}{2}$ "
A/D	B/D	BR/D	C/D	CR/D	D/D	DR/D	E/D	ER/D	59' - 5"	58' - 11 $\frac{3}{4}$ "	4' - 10 $\frac{1}{2}$ "
A/E	B/E	BR/E	C/E	CR/E	D/E	DR/E	E/E	ER/E	59' - 3"	58' - 9 $\frac{3}{4}$ "	4' - 8 $\frac{1}{2}$ "
A/F	B/F	BR/F	C/F	CR/F	D/F	DR/F	E/F	ER/F	59' - 2"	58' - 8 $\frac{3}{4}$ "	4' - 7 $\frac{1}{2}$ "
A/G	B/G	BR/G	C/G	CR/G	D/G	DR/G	E/G	ER/G	58' - 11"	58' - 5 $\frac{3}{4}$ "	4' - 4 $\frac{1}{2}$ "
A/H	B/H	BR/H	C/H	CR/H	D/H	DR/H	E/H	ER/H	58' - 8"	58' - 2 $\frac{3}{4}$ "	4' - 1 $\frac{1}{2}$ "
A/J	B/J	BR/J	C/J	CR/J	D/J	DR/J	E/J	ER/J	58' - 7"	58' - 1 $\frac{3}{4}$ "	4' - 0 $\frac{1}{2}$ "
A/K	B/K	BR/K	C/K	CR/K	D/K	DR/K	E/K	ER/K	58' - 6"	58' - 0 $\frac{3}{4}$ "	3' - 11 $\frac{1}{2}$ "
A/M	B/M	BR/M	C/M	CR/M	D/M	DR/M	E/M	ER/M	58' - 3"	57' - 9 $\frac{3}{4}$ "	3' - 8 $\frac{1}{2}$ "
A/N	B/N	BR/N	C/N	CR/N	D/N	DR/N	E/N	ER/N	57' - 9"	57' - 3 $\frac{3}{4}$ "	3' - 2 $\frac{1}{2}$ "
A/P	B/P	BR/P	C/P	CR/P	D/P	DR/P	E/P	ER/P	57' - 7'	57' - 1 $\frac{3}{4}$ "	3' - 0 $\frac{1}{2}$ "



7-AB3-24

REVISIONS

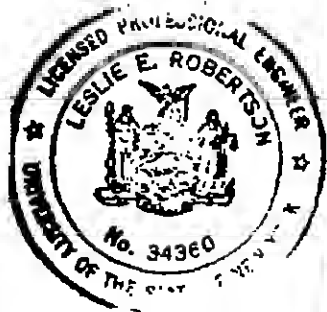
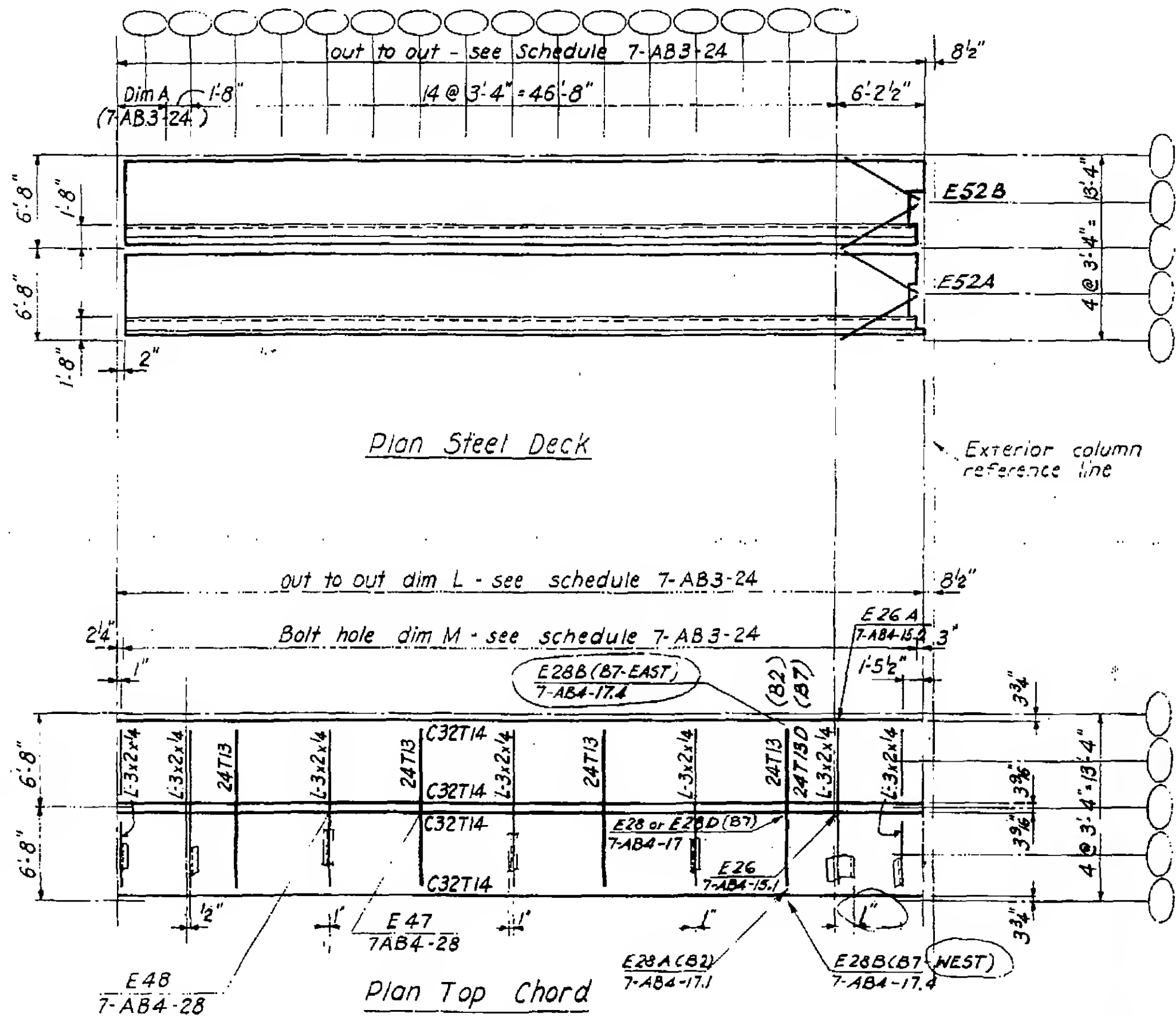
10-4-68



7-AB3-25

REVISIONS

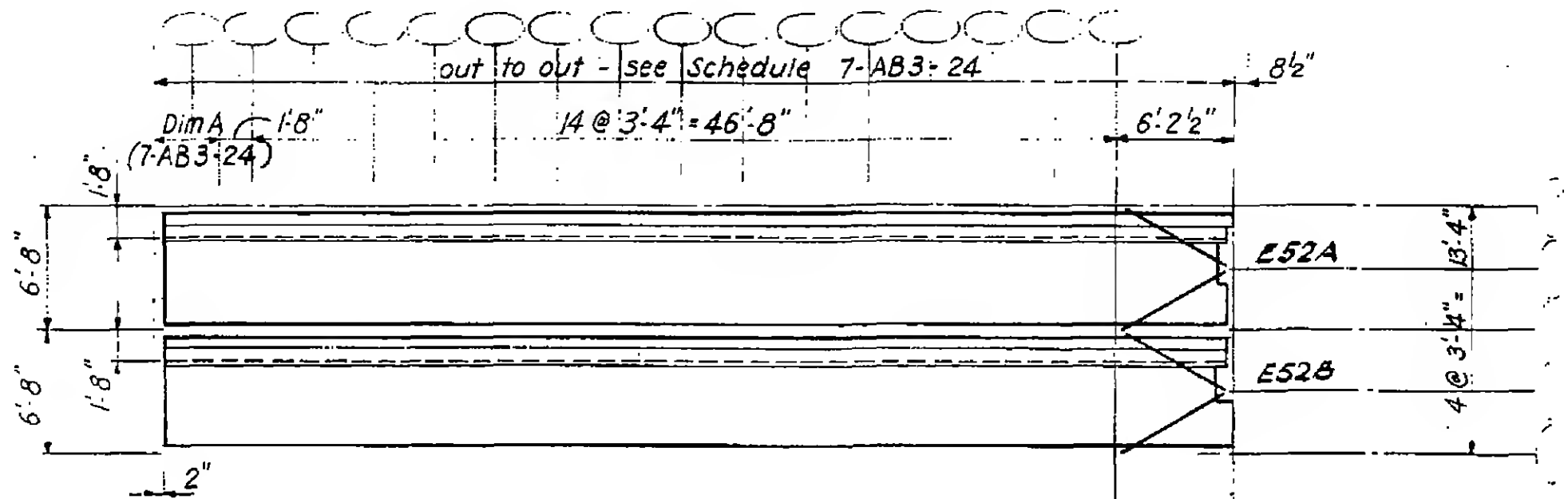
10-4-68



7-AB3-26

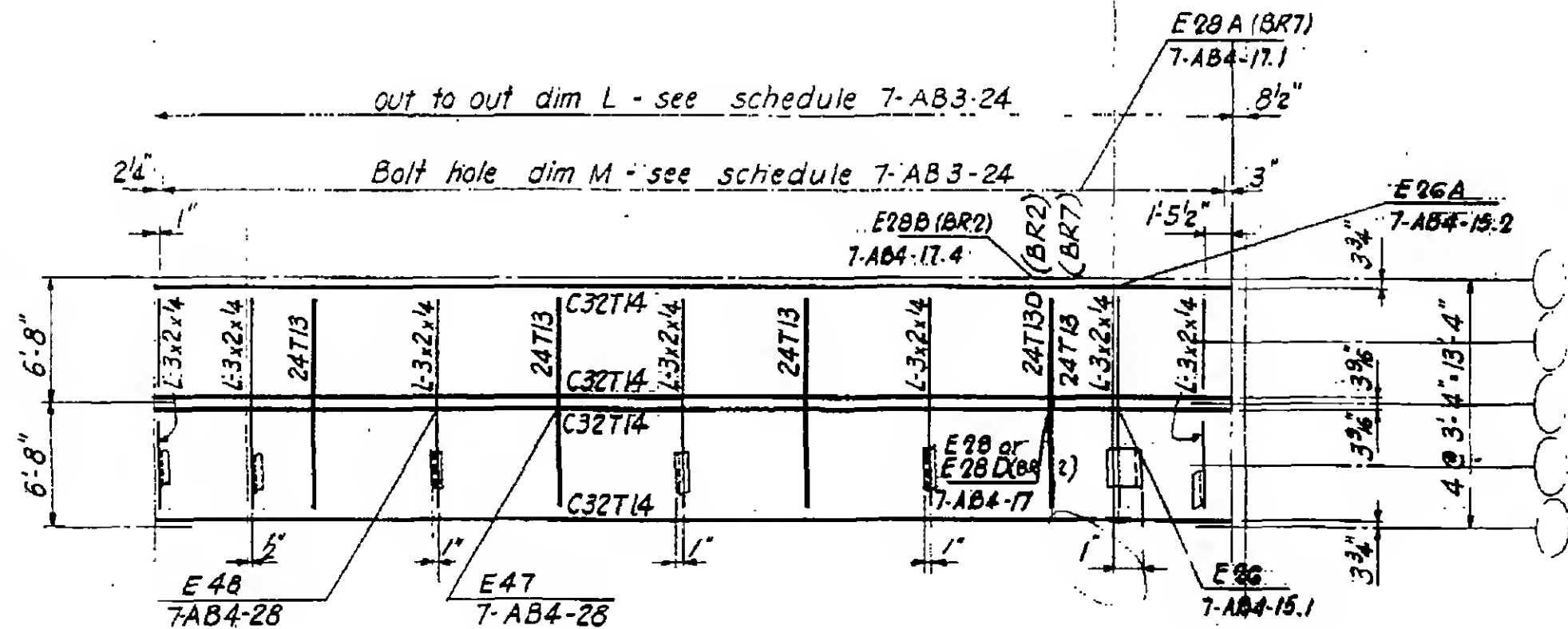
REVISIONS

10-4-68



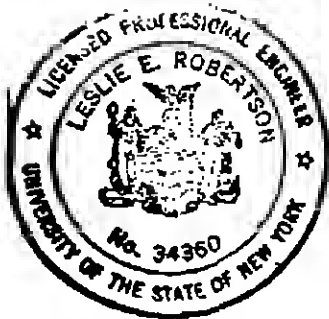
Plan Steel Deck

Exterior column
reference line



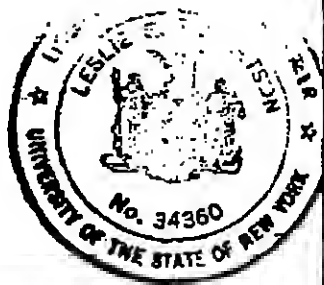
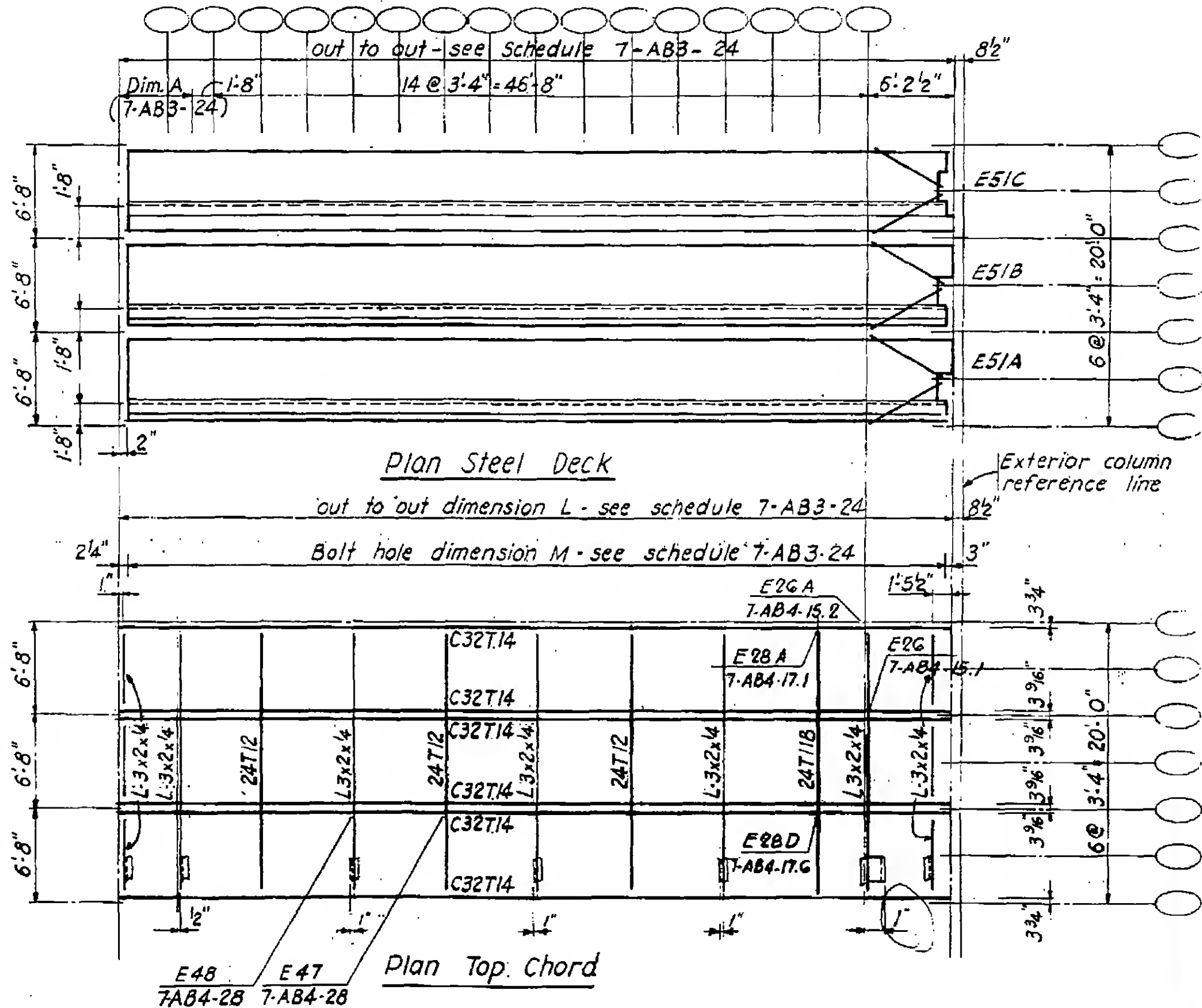
Plan Top : Chord

7-AB3-27



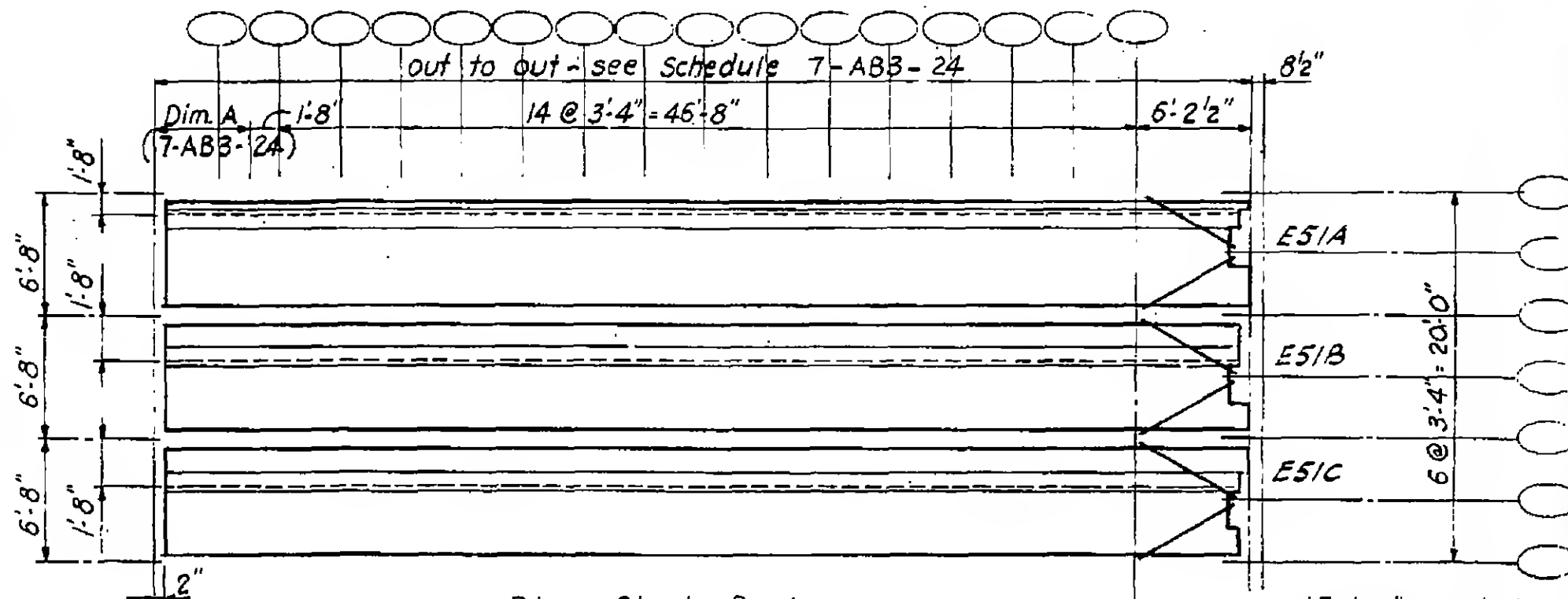
REVISIONS

10-4-68



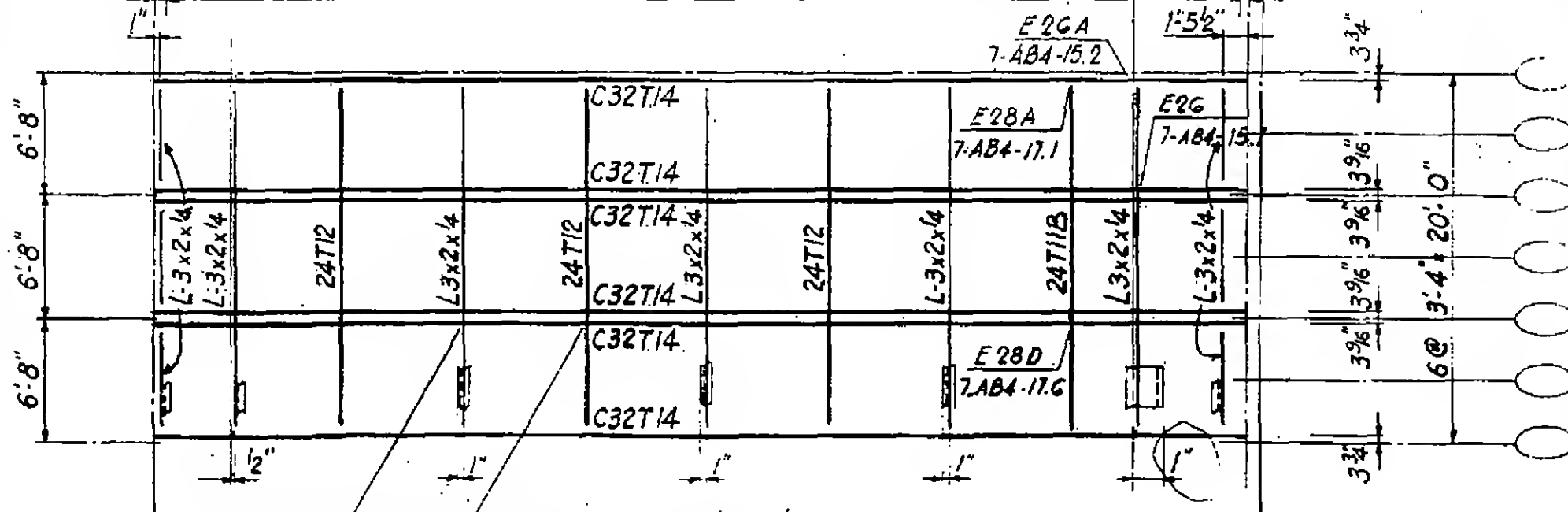
REVISIONS

10-4-68

Plan Steel Deck

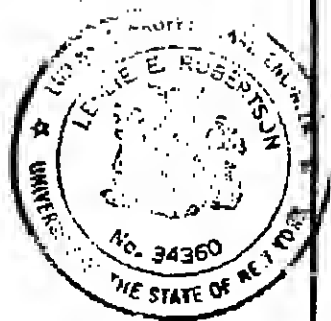
out to out dimension L - see schedule 7-AB3-24

Bolt hole dimension M - see schedule 7-AB3-24

Plan Top Chord

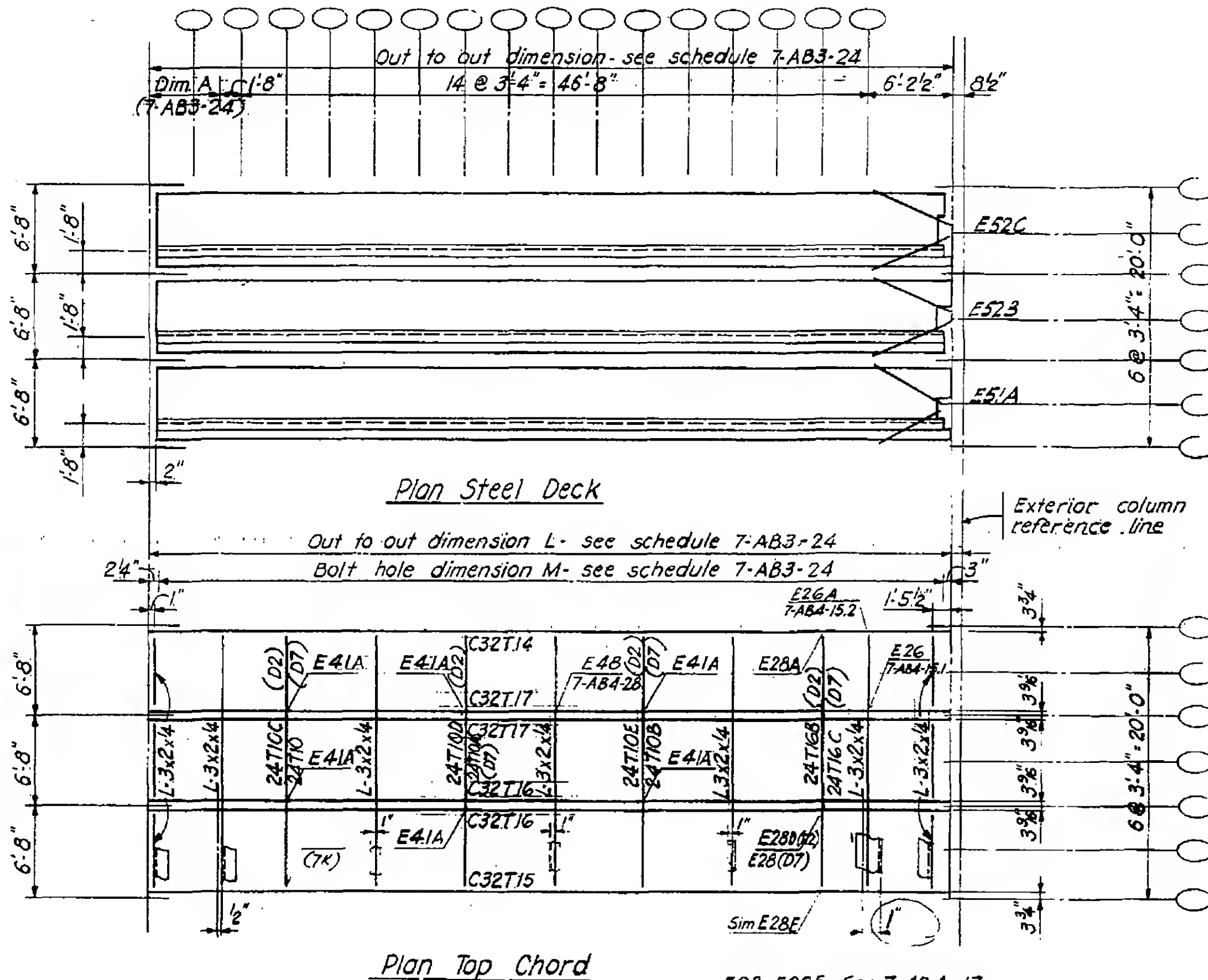
E48 7-AB4-28 E47 7-AB4-28

7-AB3-29



REVISIONS

10-4-68



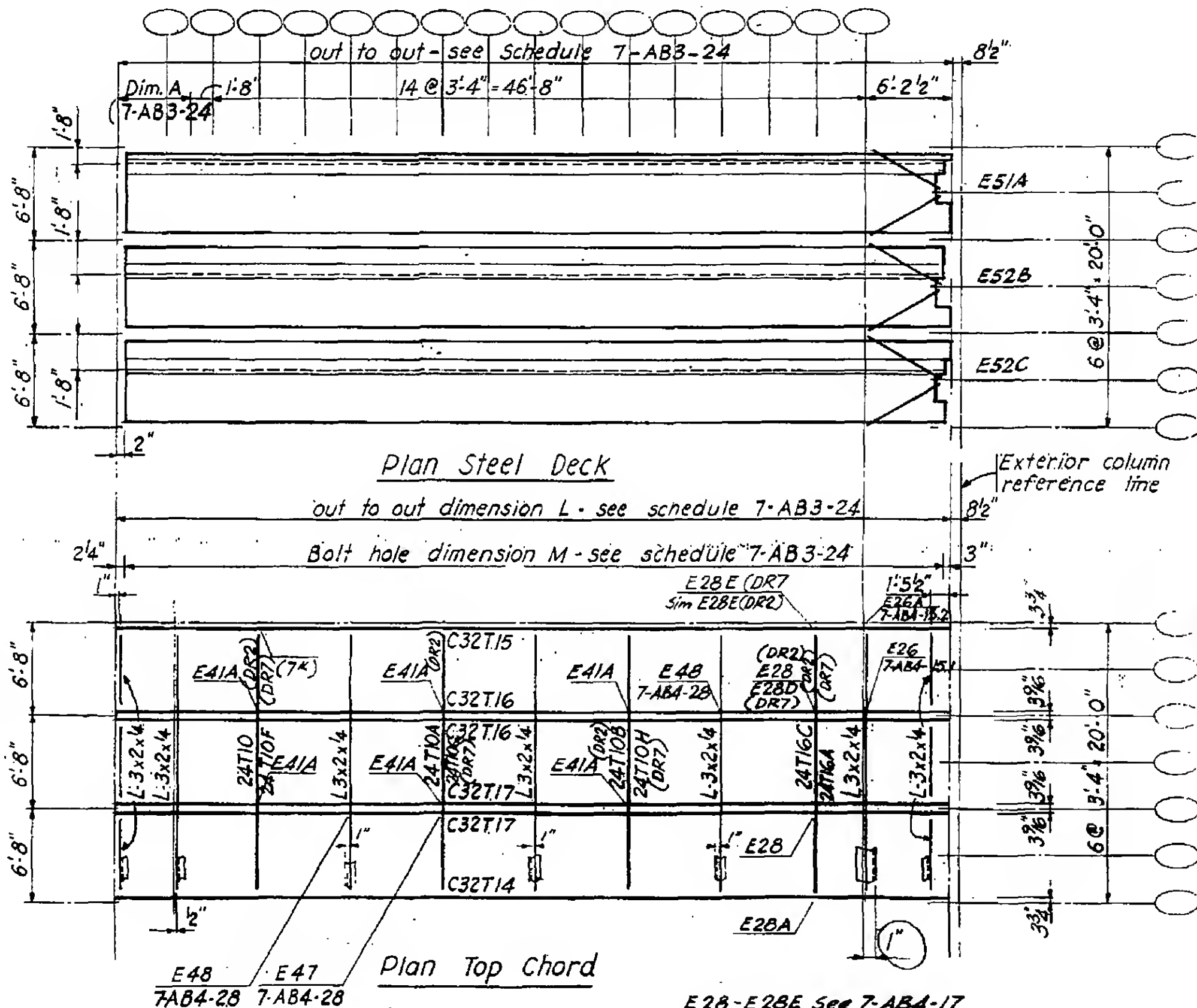
E28-E28E See 7-AB4-17
E41A see 7-AB4-22

7- AB3-30



REVISIONS

10-4-68



E28-E28E see 7-AB4-17
E41A see 7-AB4-22

7-AB3-31



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

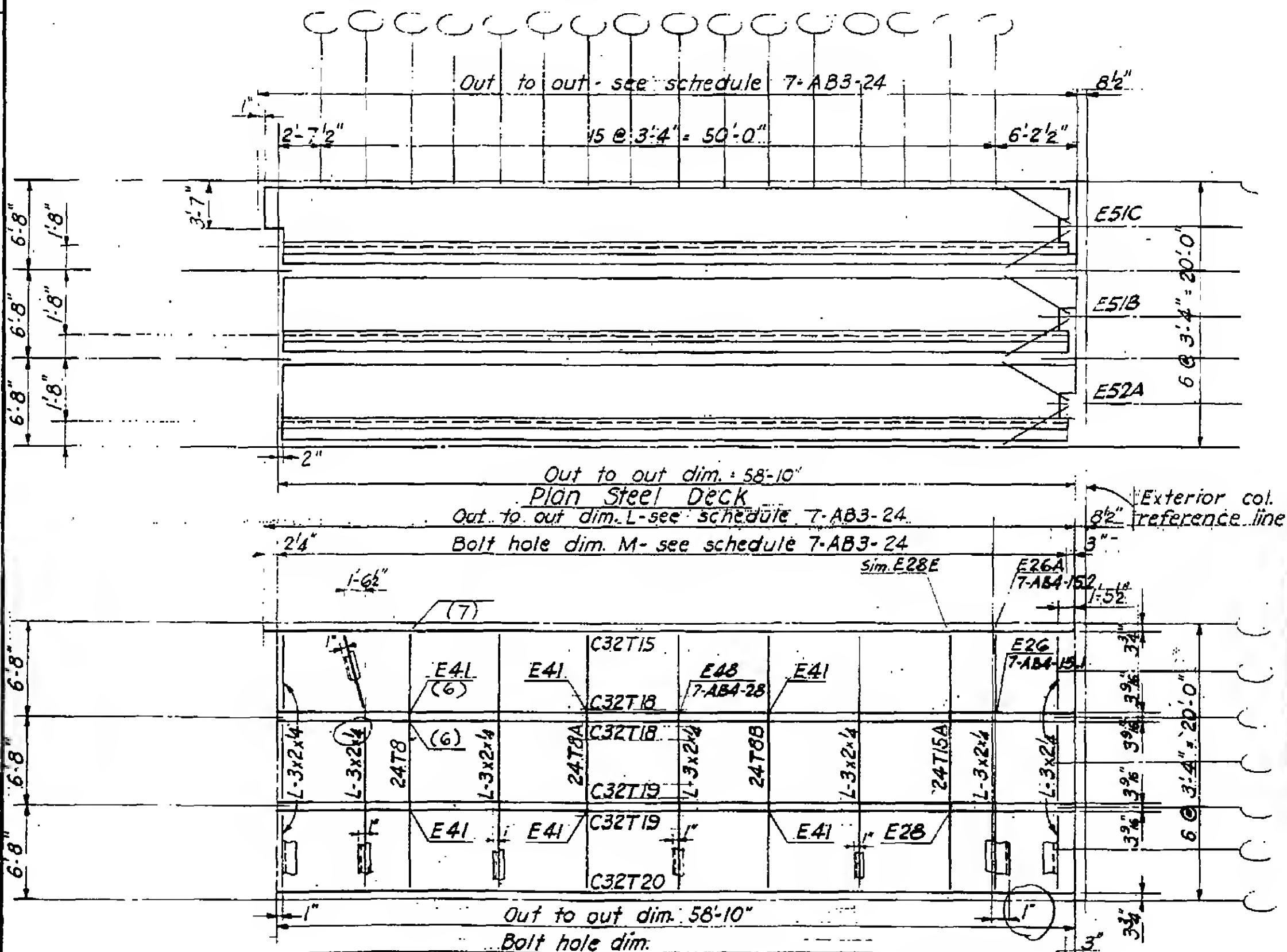
TITLE

FLOOR PANEL E2

DATE 8-15-68

REVISIONS

10-4-68



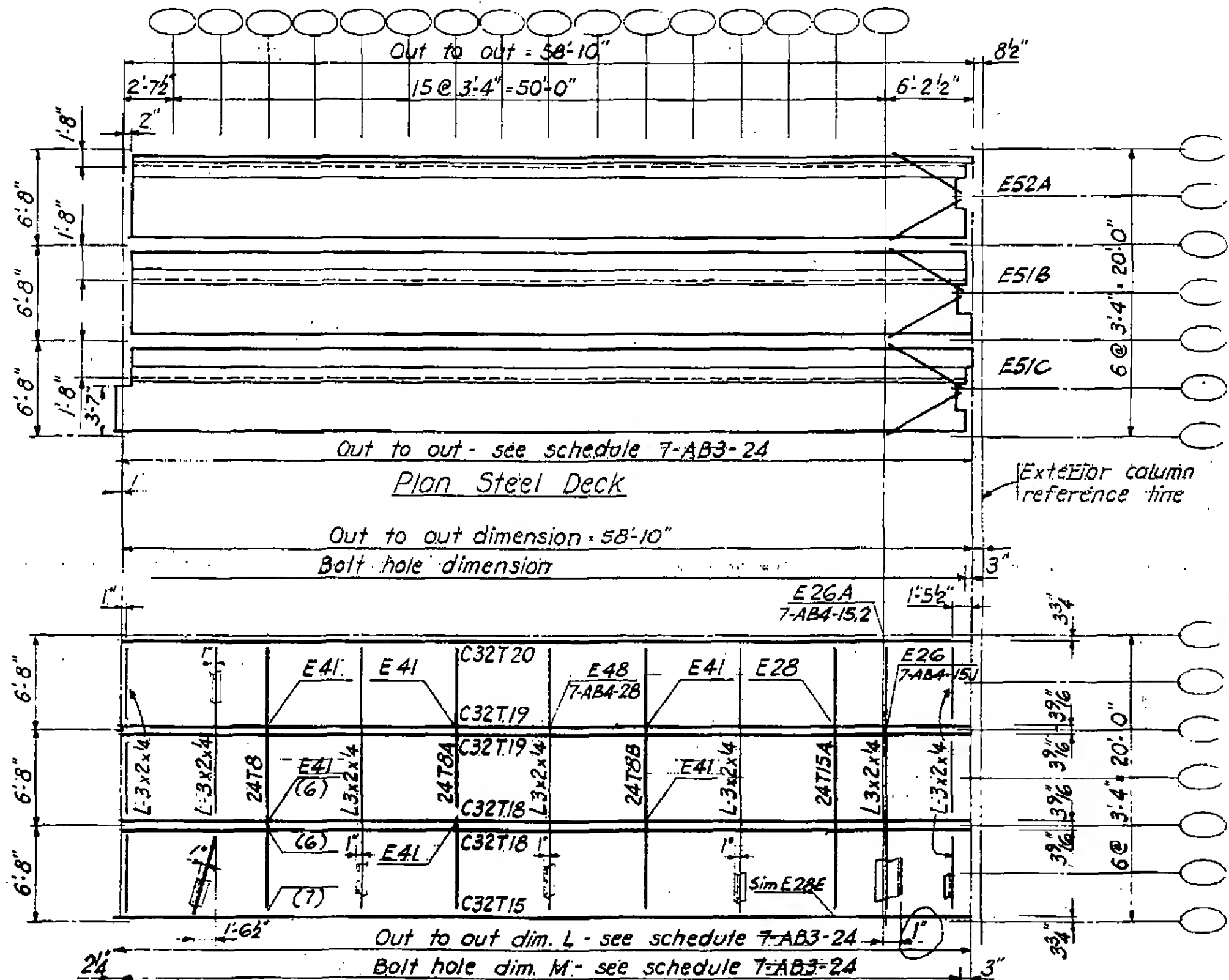
Plan Top Chord

E41 see 7-AB4-22
E28-E28F see 7-AB4-17

7-AB3-32

REVISIONS

10-4-68



Pian Top Chord

E28-28 F see 7-AB4-17
E41 see 7-AB4-22

7-AB3-33



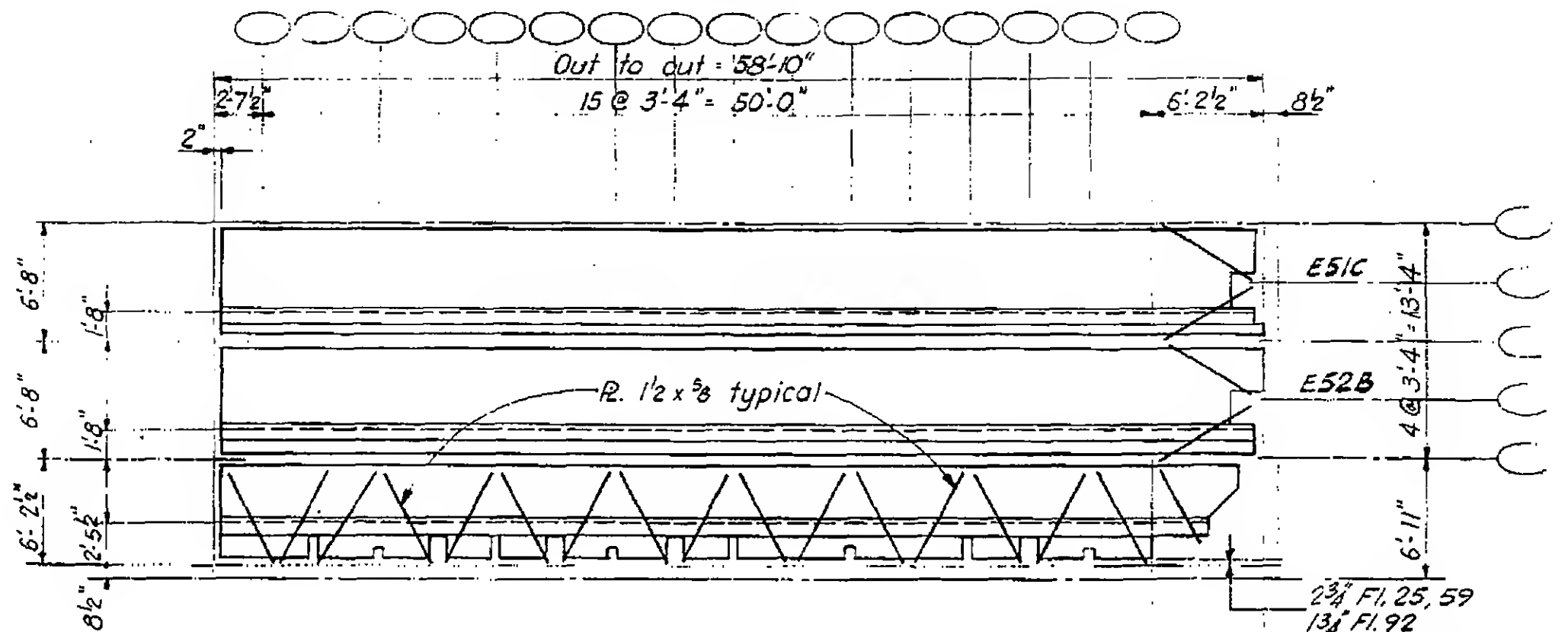
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL F2

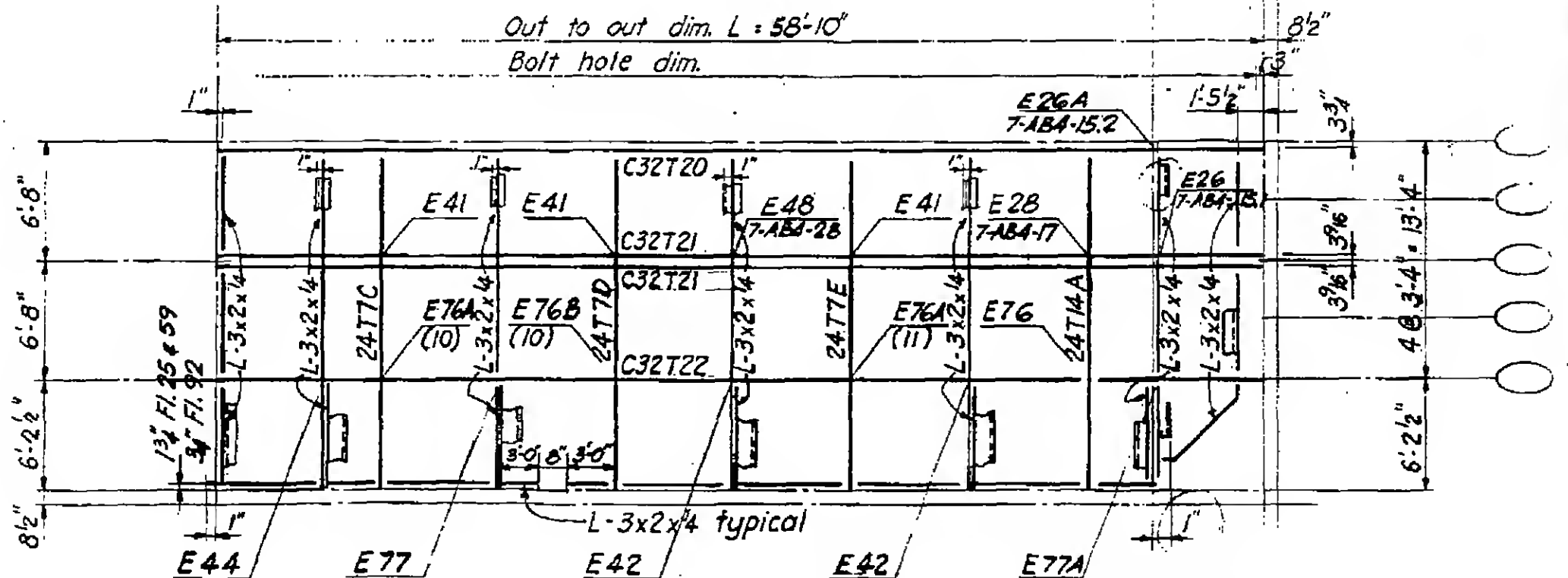
DATE 8-15-68

REVISIONS

10-4-68



Plan Steel Deck



Plan Top Chord

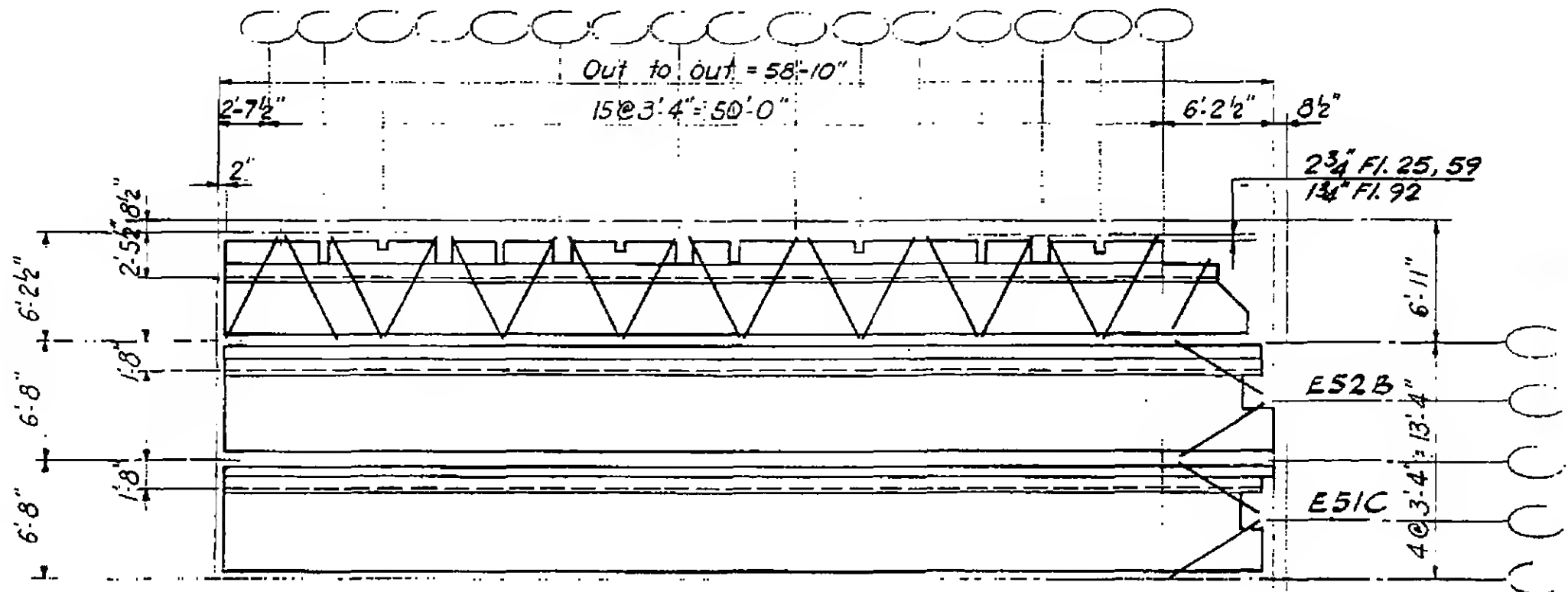
E76-E77 see 7-AB4-57-61
 E41-E44 see 7-AB4-22-25

7-AB3-34

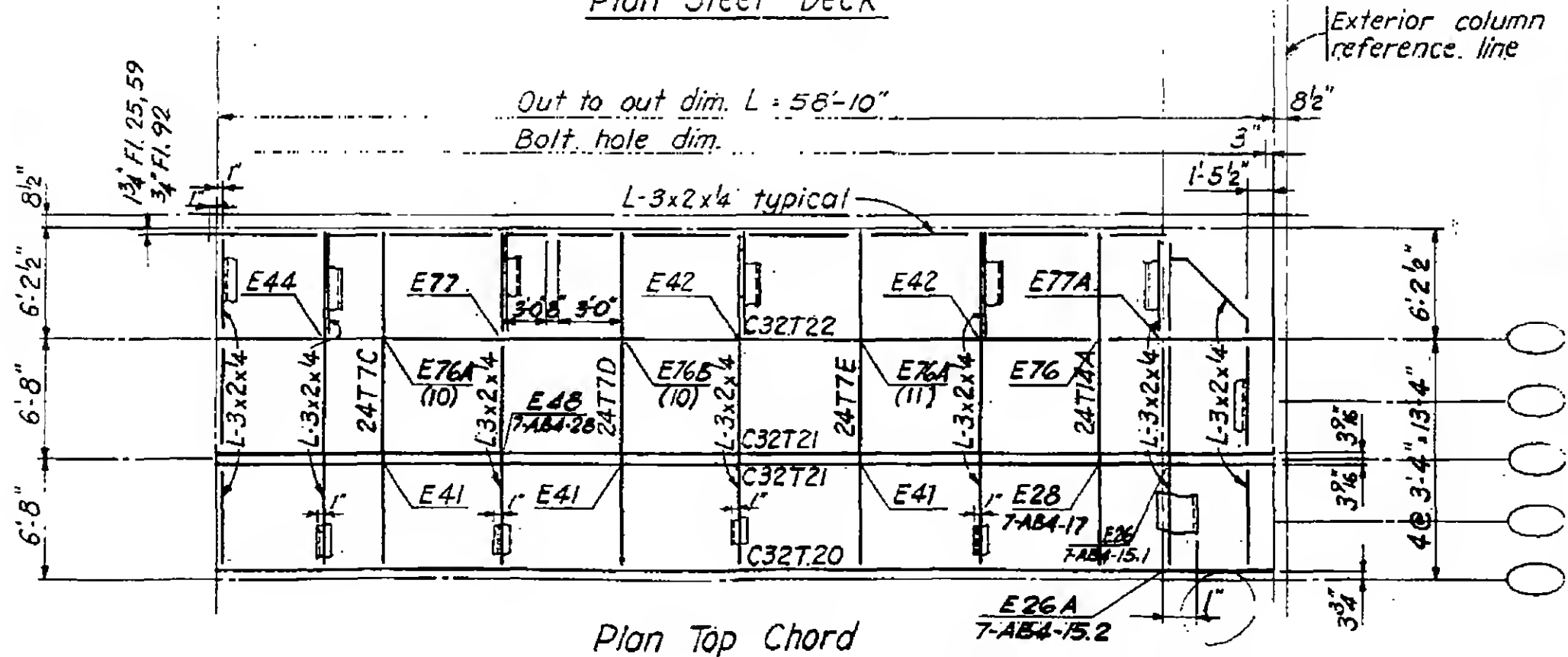


REVISIONS

10-4-68



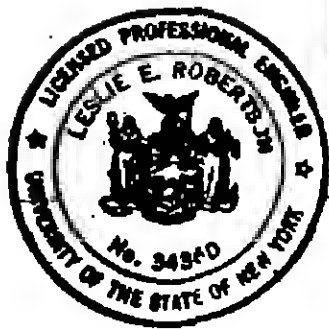
Plan Steel Deck



Plan Top Chord

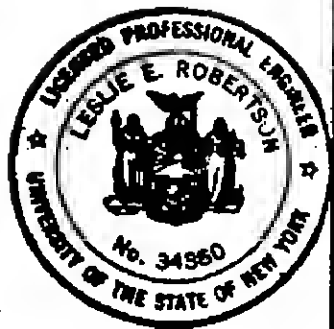
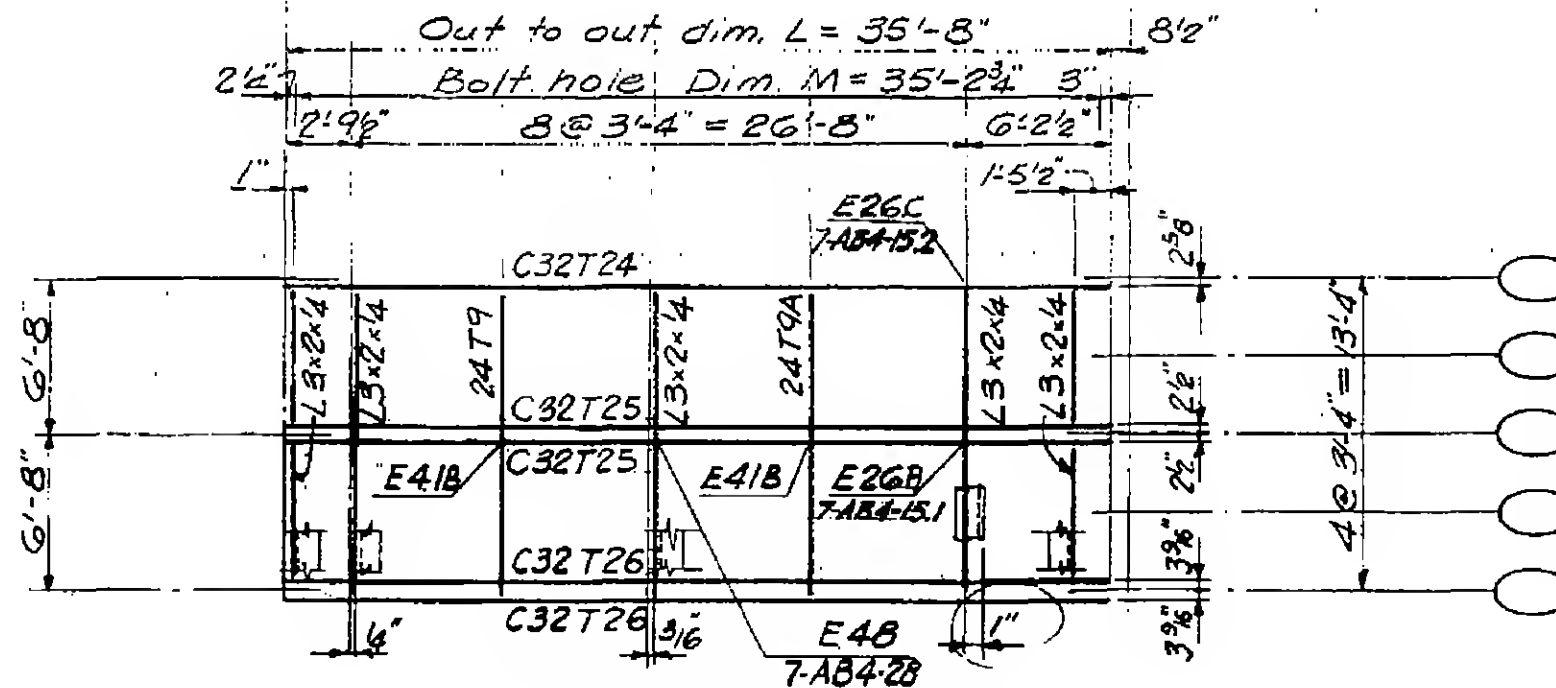
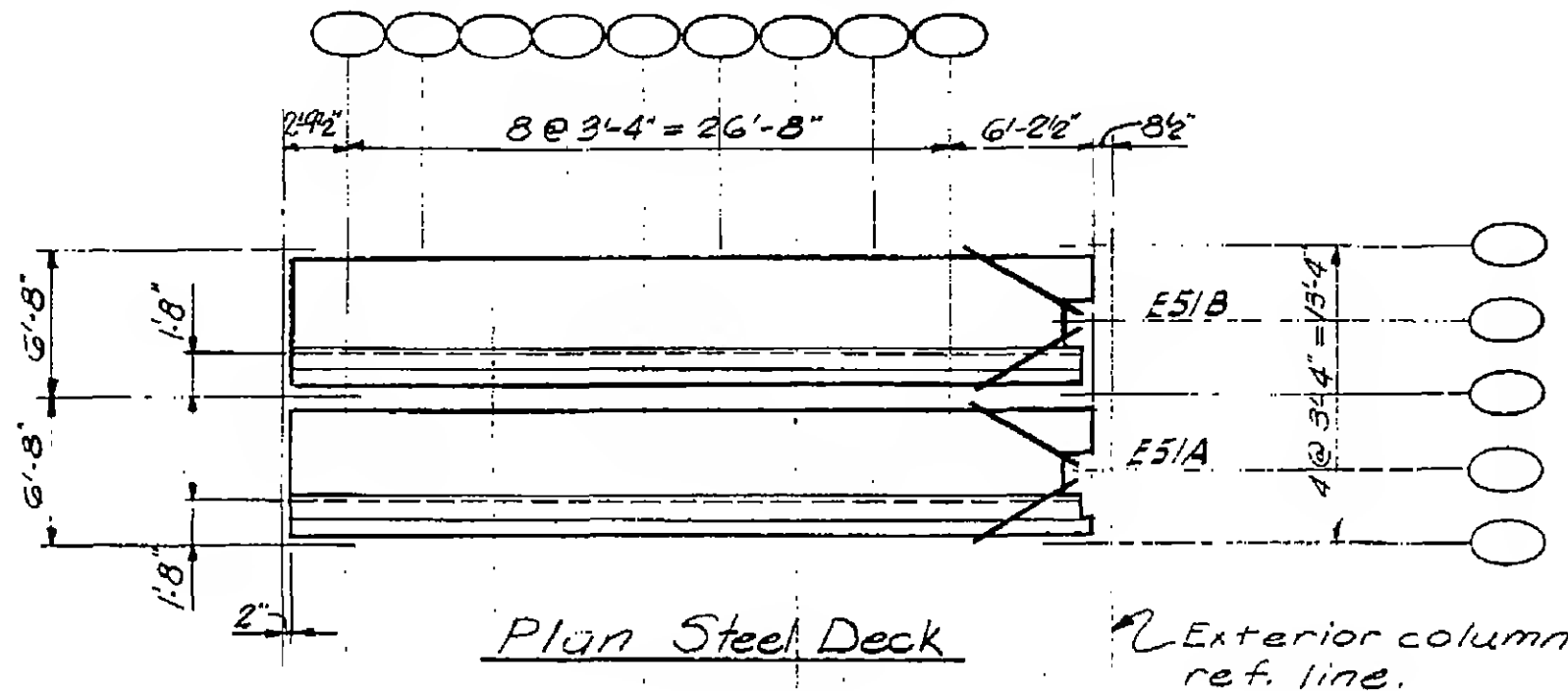
E41 - E44 see 7-AB4-22-25.
E76 - E77 see 7-AB4-57-61

7-AB3-35



REVISIONS

10-4-68

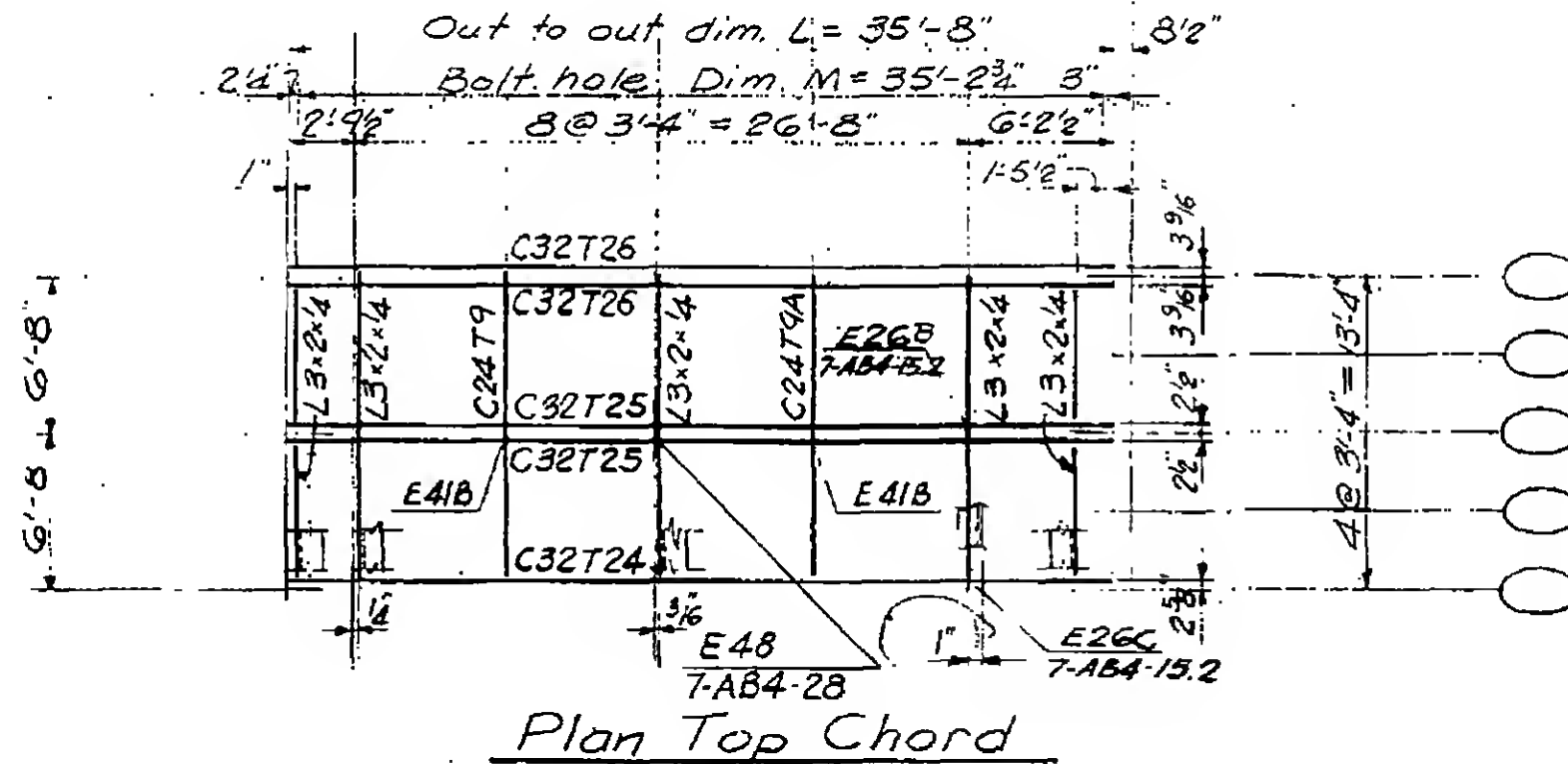
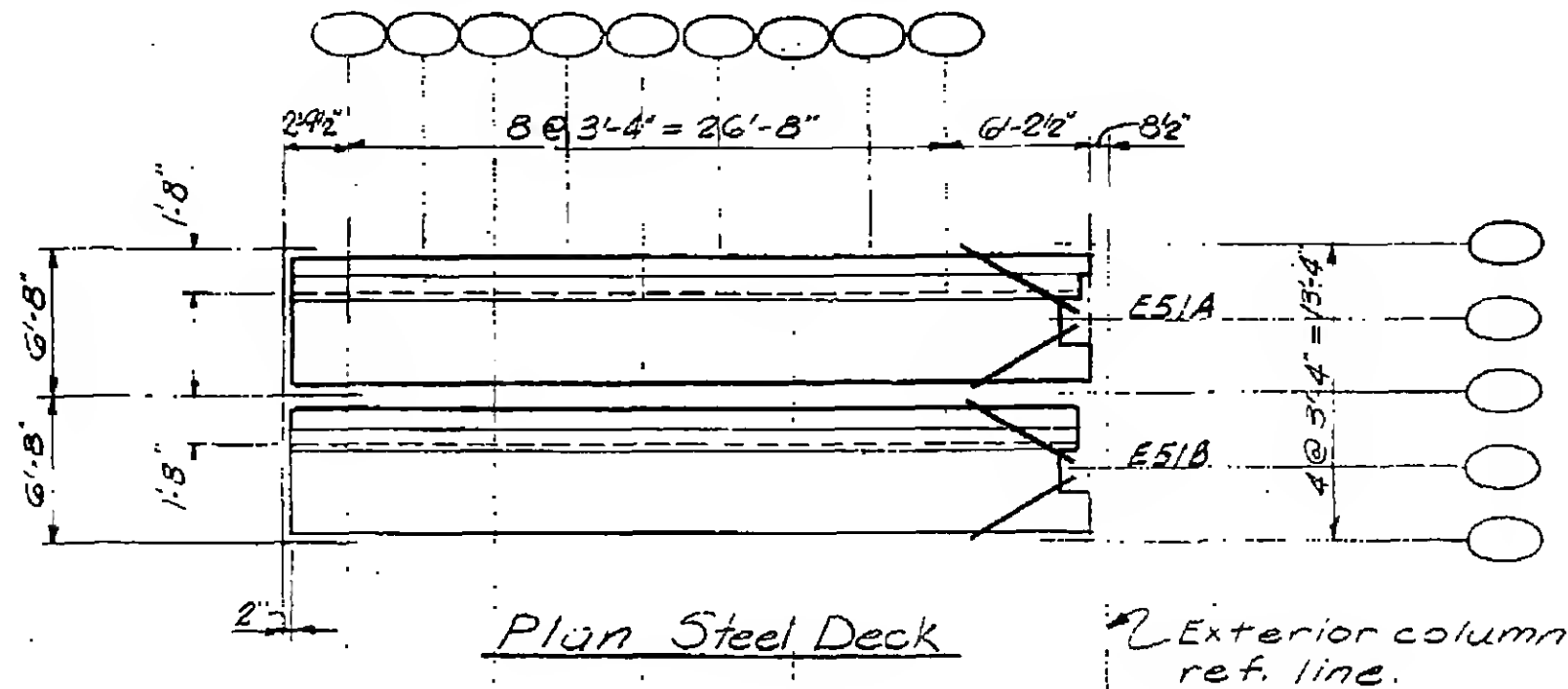


E41B-see Dwg. 7-AB4-22.1

7-AB3-36

REVISIONS

10-4-68



E41B - see Dwg. 7-AB4-22.1



Structural & Civil Engineers

THE WORLD TRADE CENTER

FLOOR PANEL H2 & H7

DATE 8-1-68

8-15-68
10-4-68



Out to out dim. $L = 35'-8"$

Bolt hole dim. $M = 35' 2\frac{1}{4}"$

Exterior column
reference line



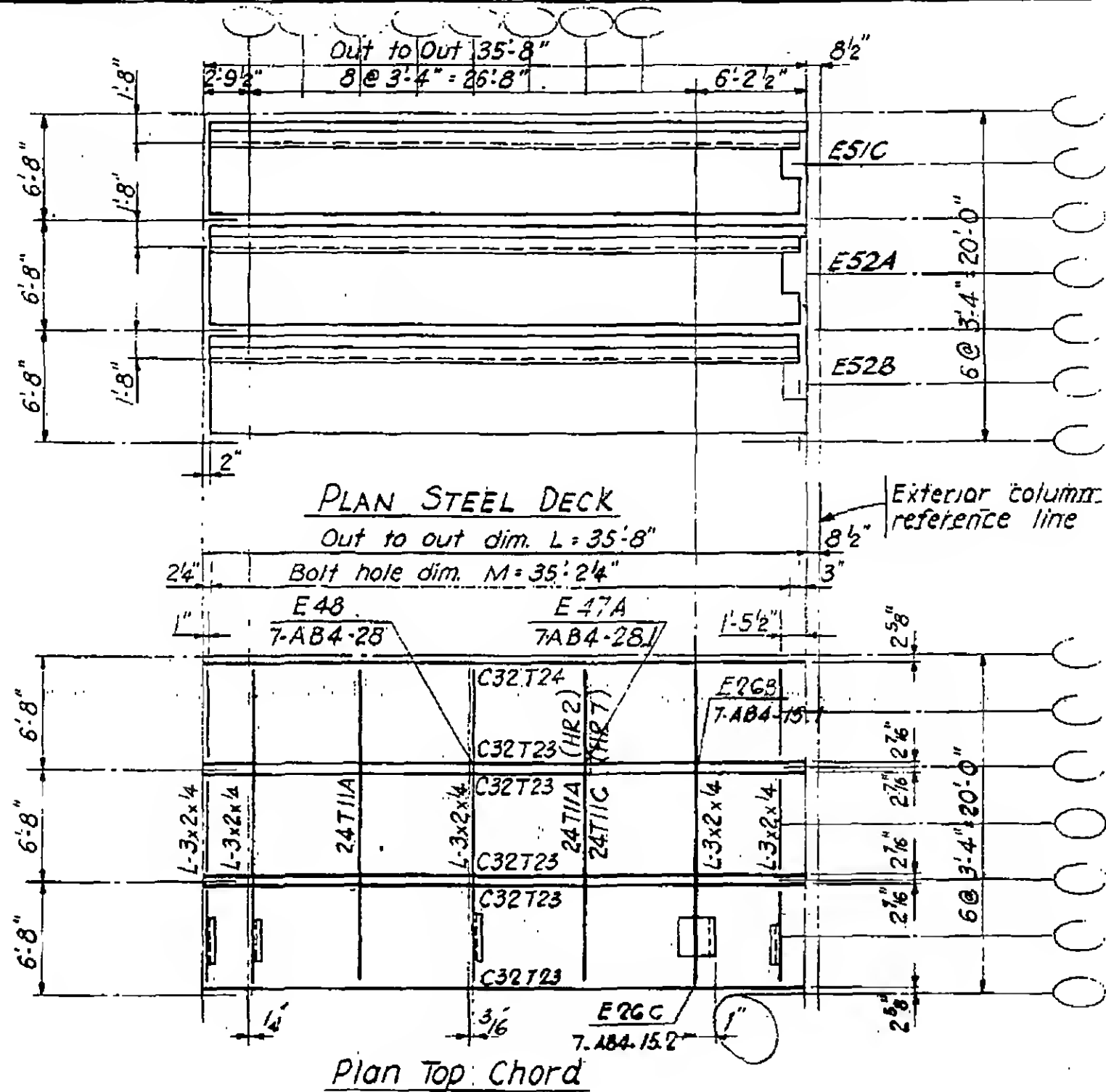
7-AB3-38

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL HR2 & HR7

DATE 8-1-68

REVISIONS

8-15-68
10-4-68

PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR PANEL J2

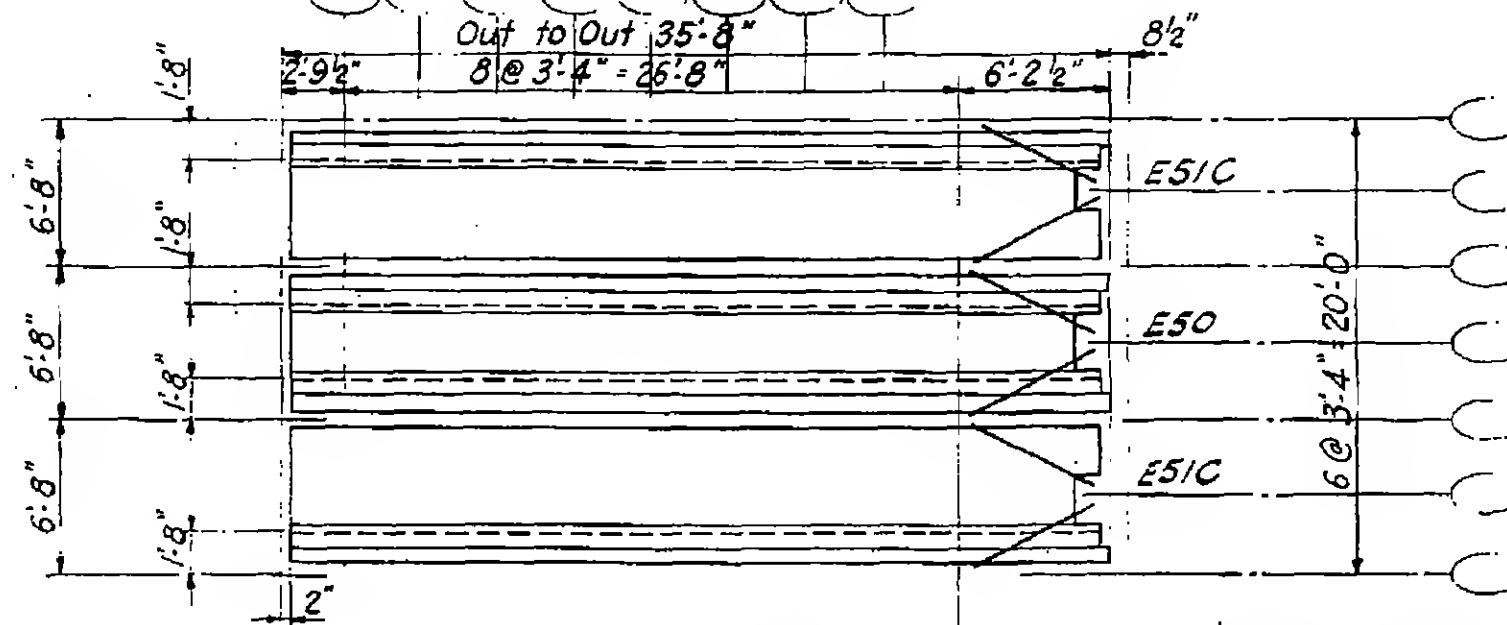
DATE

8-1-68

REVISIONS

8-15-68

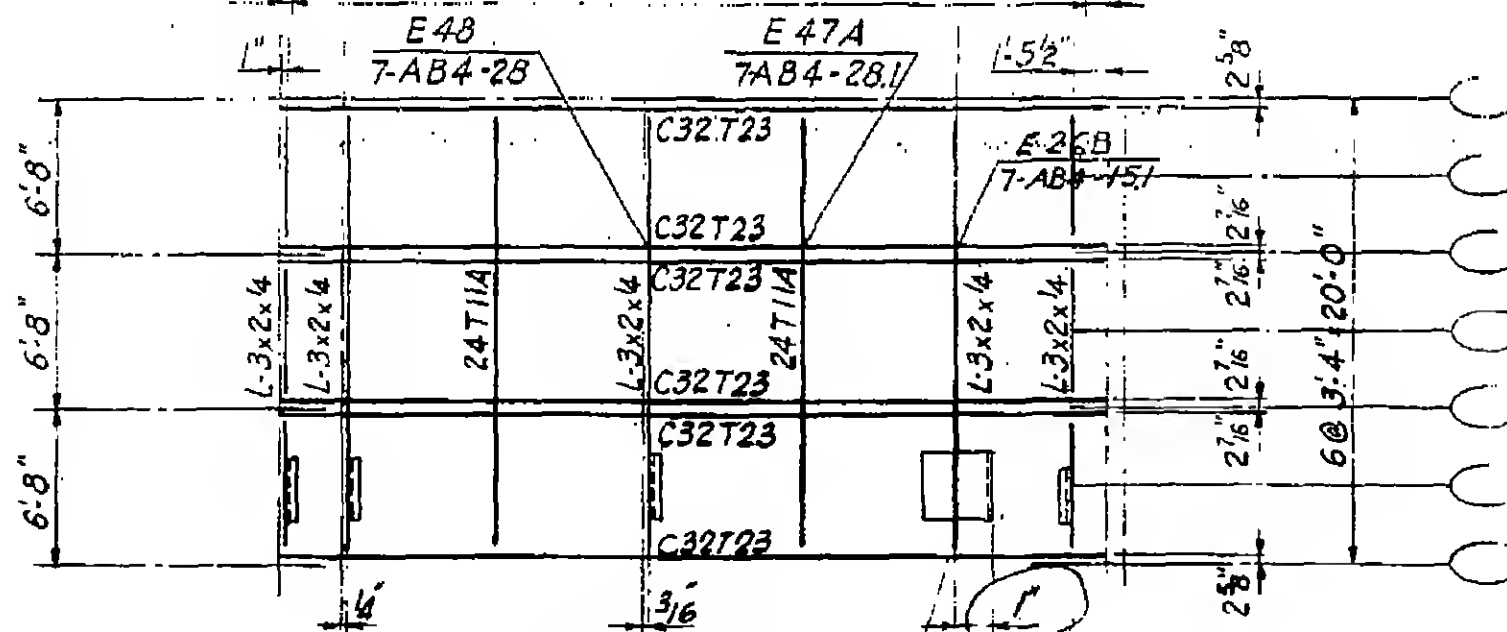
10-4-68

PLAN STEEL DECK

Out to out dim. L = 35'-8"

Bolt hole dim. M = 35'-2 1/4"

Exterior column reference line

Plan Top ChordE26C
7-AB4-15.2

7-AB3-40

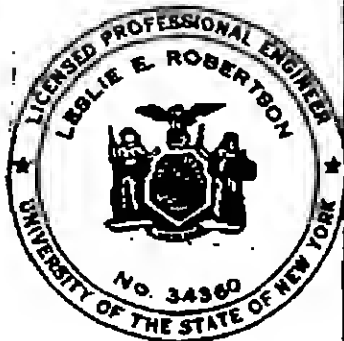
SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT **THE WORLD TRADE CENTER** TITLE **FLOOR PANEL - DIMENSION SCHEDULE 3** DATE **1-6-69**

REVISIONS

PANEL NO.									OUT TO OUT PANEL DIM. L	BOLT HOLE DIMENSION M	DIMENSION A
A3A	B3A	BR3A	C3A	CR3A	D3A	DR3A	E3A	ER3A	59'-9"	59'-3 $\frac{3}{4}$ "	5'-2 $\frac{1}{2}$ "
A3B	B3B	BR3B	C3B	CR3B	D3B	DR3B	E3B	ER3B	59'-8 $\frac{1}{2}$ "	59'-3 $\frac{1}{4}$ "	5'-2"
A3C	B3C	BR3C	C3C	CR3C	D3C	DR3C	E3C	ER3C	59'-8"	59'-2 $\frac{3}{4}$ "	5'-1 $\frac{1}{2}$ "
A3D	B3D	BR3D	C3D	CR3D	D3D	DR3D	E3D	ER3D	59'-5"	58'-11 $\frac{3}{4}$ "	4'-10 $\frac{1}{2}$ "
A3E	B3E	BR3E	C3E	CR3E	D3E	DR3E	E3E	ER3E	59'-3"	58'-9 $\frac{3}{4}$ "	4'-8 $\frac{1}{2}$ "
A3F	B3F	BR3F	C3F	CR3F	D3F	DR3F	E3F	ER3F	59'-2"	58'-8 $\frac{3}{4}$ "	4'-7 $\frac{1}{2}$ "
A3G	B3G	BR3G	C3G	CR3G	D3G	DR3G	E3G	ER3G	58'-11"	58'-5 $\frac{3}{4}$ "	4'-4 $\frac{1}{2}$ "
A3H	B3H	BR3H	C3H	CR3H	D3H	DR3H	E3H	ER3H	58'-8"	58'-2 $\frac{3}{4}$ "	4'-1 $\frac{1}{2}$ "
A3J	B3J	BR3J	C3J	CR3J	D3J	DR3J	E3J	ER3J	58'-7"	58'-1 $\frac{3}{4}$ "	4'-0 $\frac{1}{2}$ "
A3K	B3K	BR3K	C3K	CR3K	D3K	DR3K	E3K	ER3K	58'-6"	58'-0 $\frac{3}{4}$ "	3'-11 $\frac{1}{2}$ "
A3M	B3M	BR3M	C3M	CR3M	D3M	DR3M	E3M	ER3M	58'-3"	57'-9 $\frac{3}{4}$ "	3'-8 $\frac{1}{2}$ "
A3N	B3N	BR3N	C3N	CR3N	D3N	DR3N	E3N	ER3N	57'-9"	57'-3 $\frac{3}{4}$ "	3'-2 $\frac{1}{2}$ "
A3P	B3P	BR3P	C3P	CR3P	D3P	DR3P	E3P	ER3P	57'-7"	57'-1 $\frac{3}{4}$ "	3'-0 $\frac{1}{2}$ "



DESIGNED

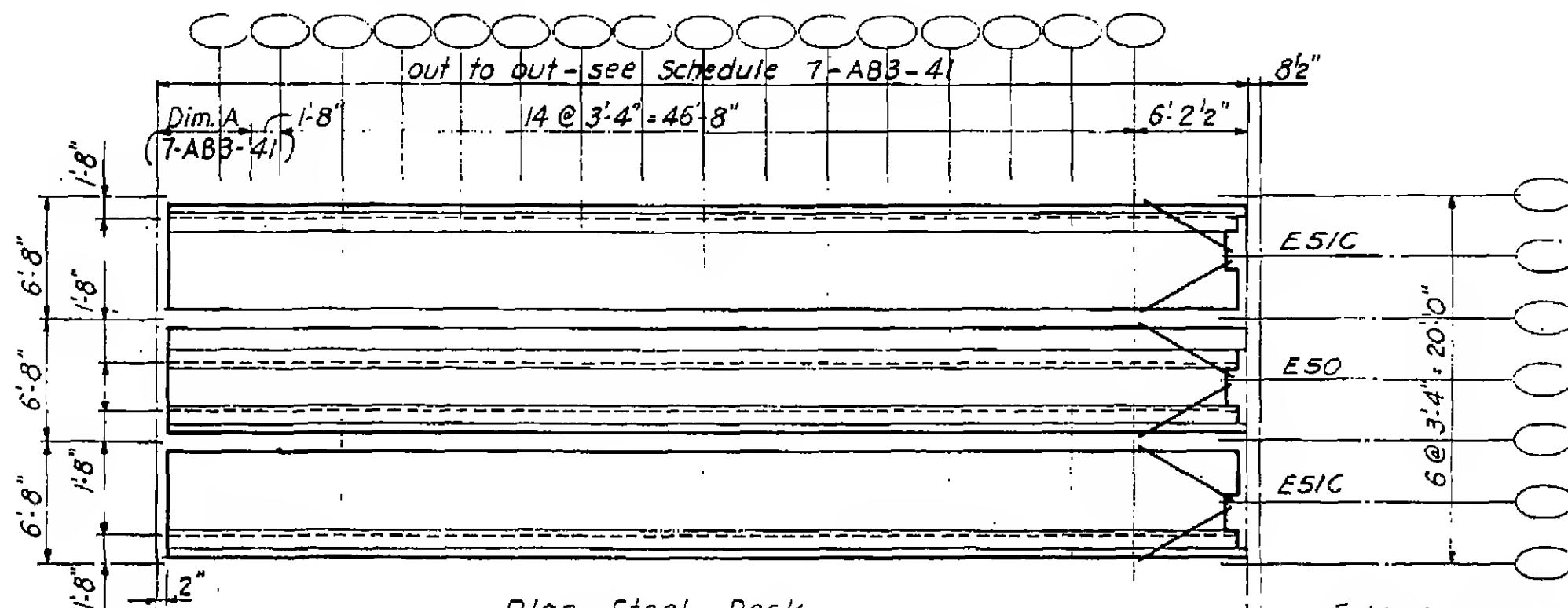
DRAWN

REVIEWED

25

7-AB3-41

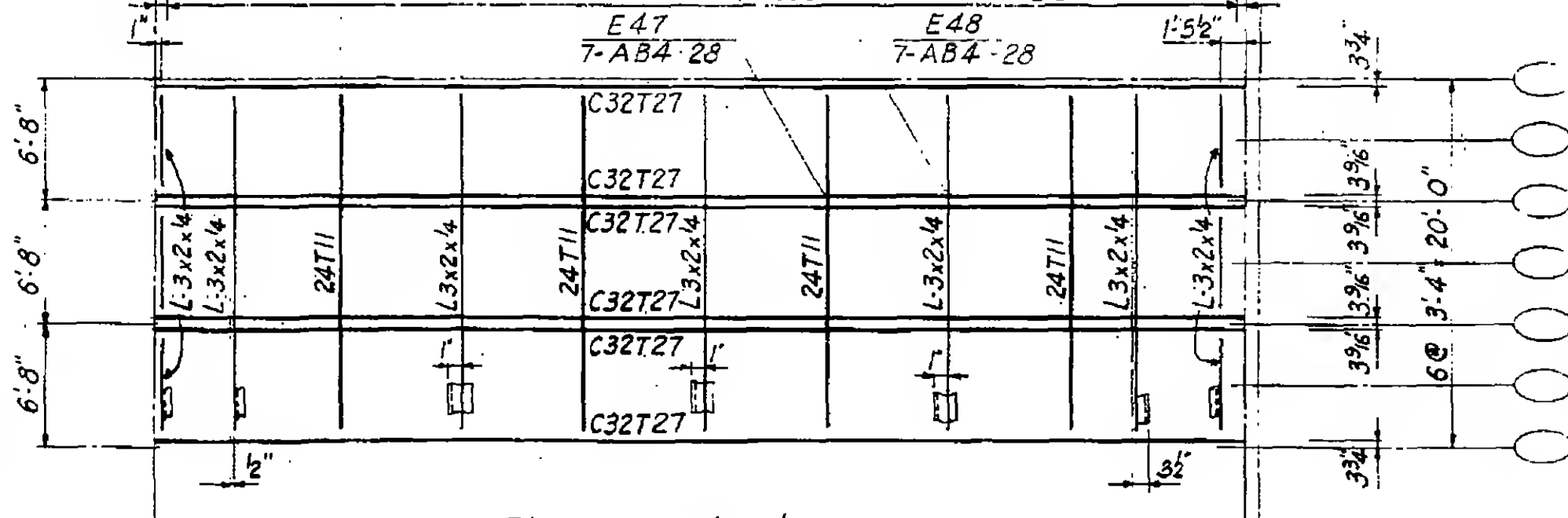
REVISIONS



Plan Steel Deck

out to out dimension L - see schedule 7-AB3-41

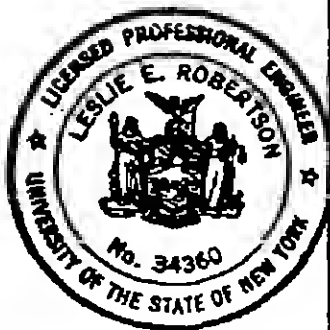
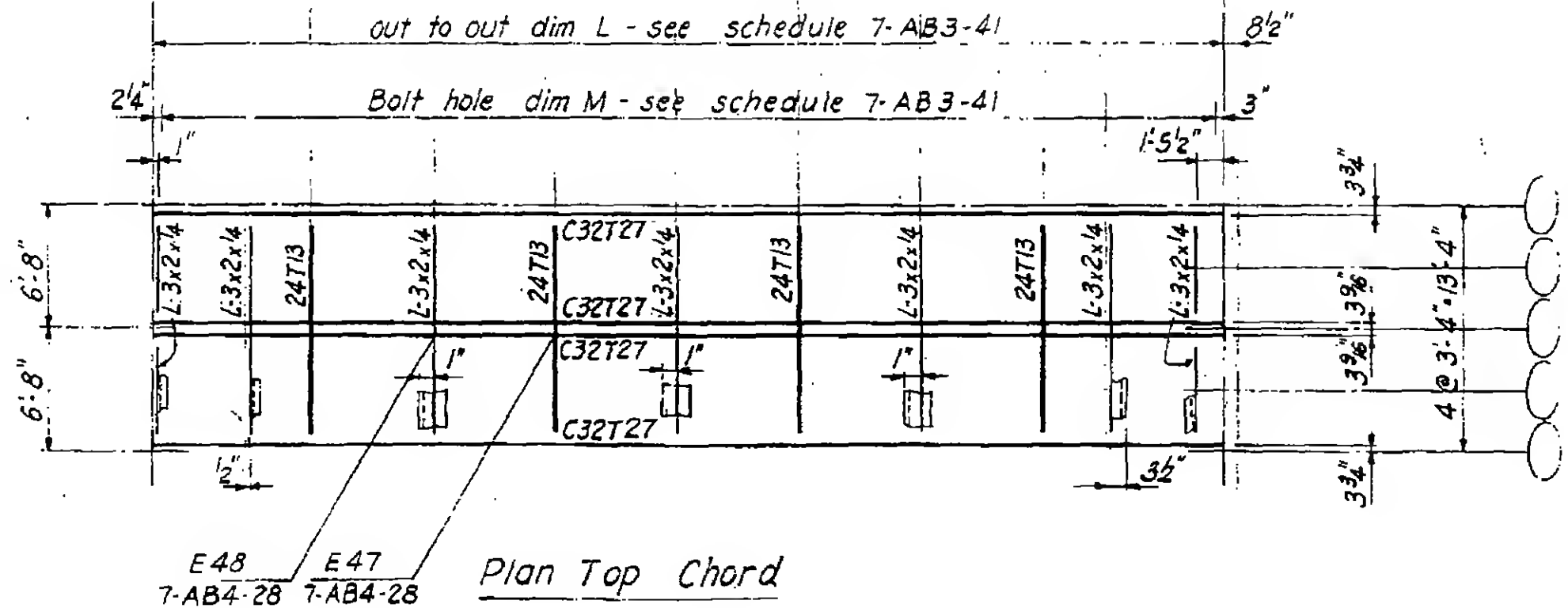
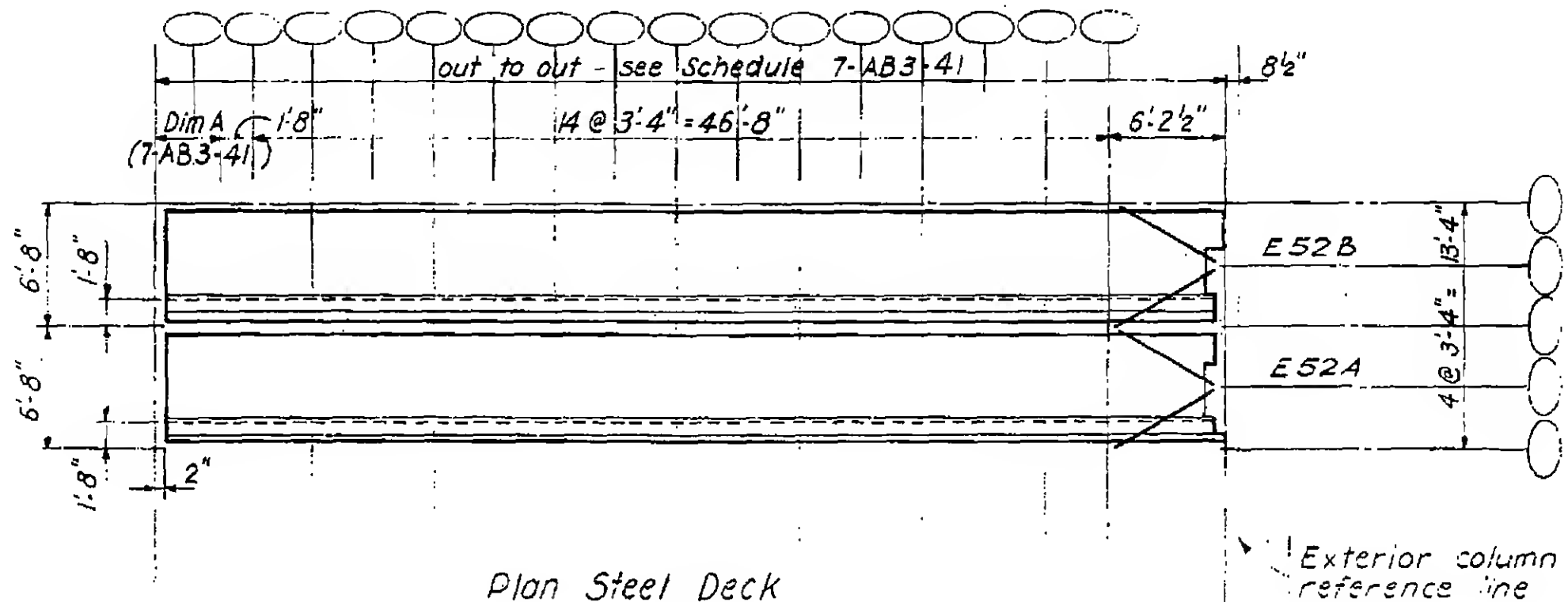
Bolt hole dimension M - see schedule 7-AB3-41



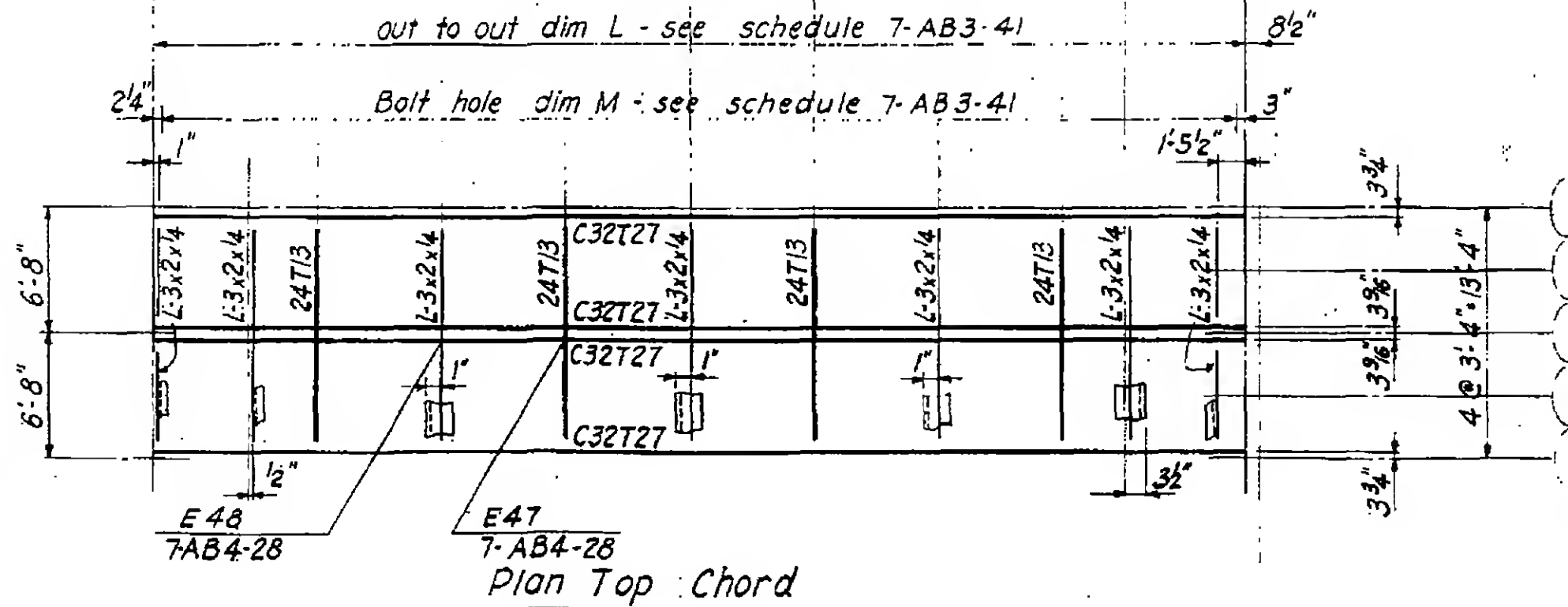
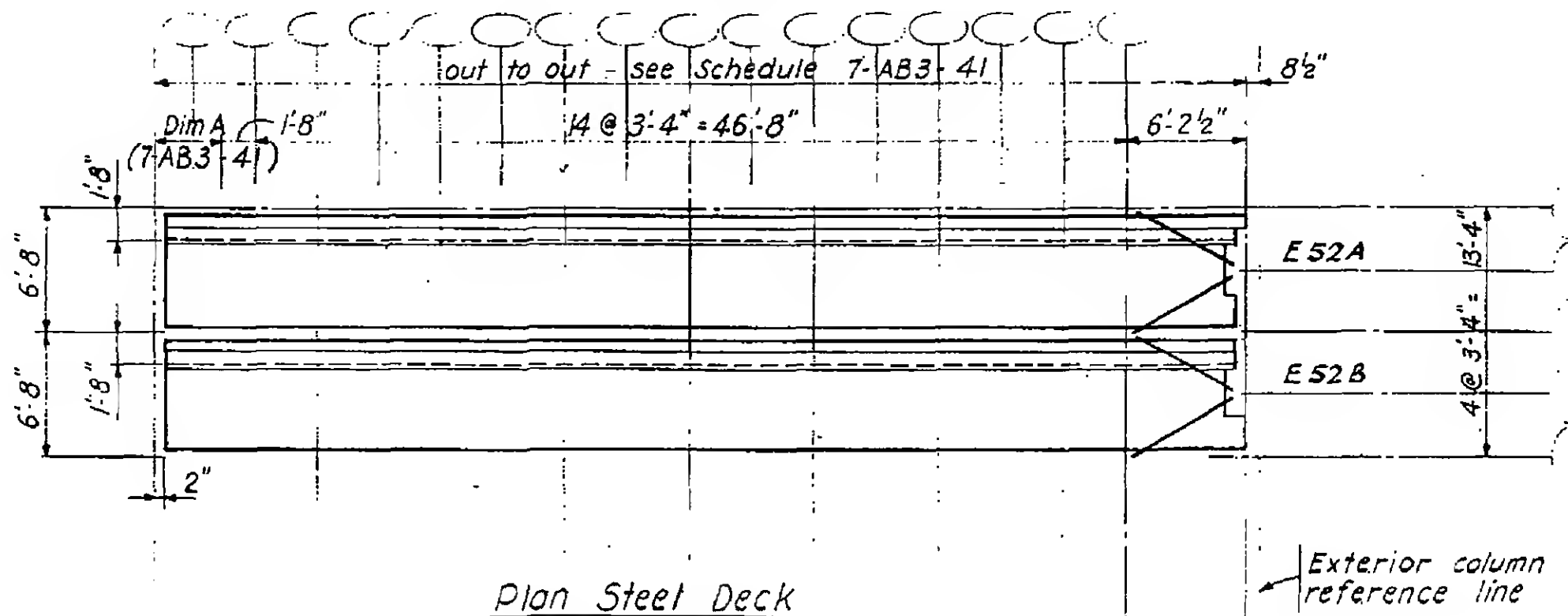
Plan Top Chord



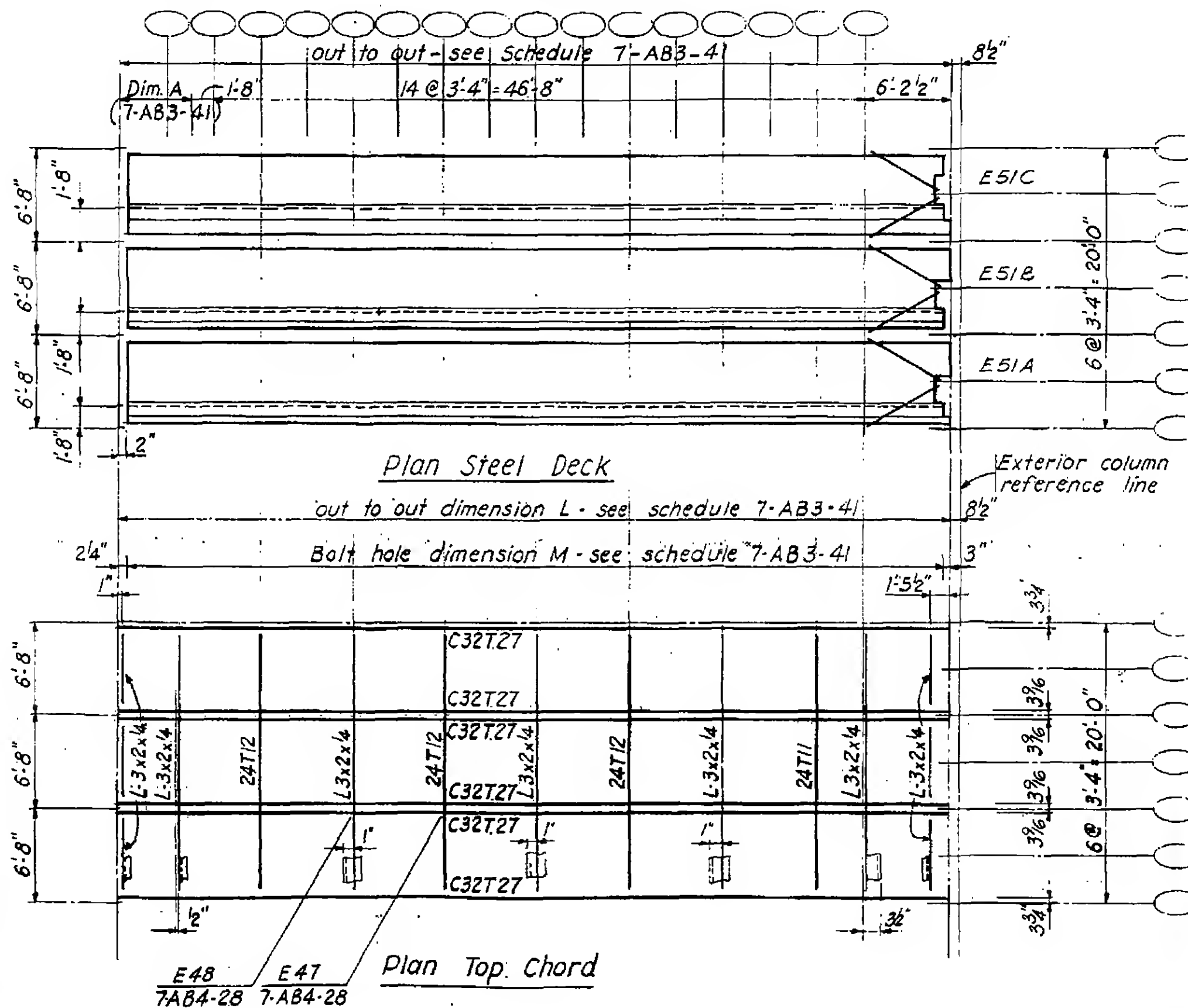
REVISIONS



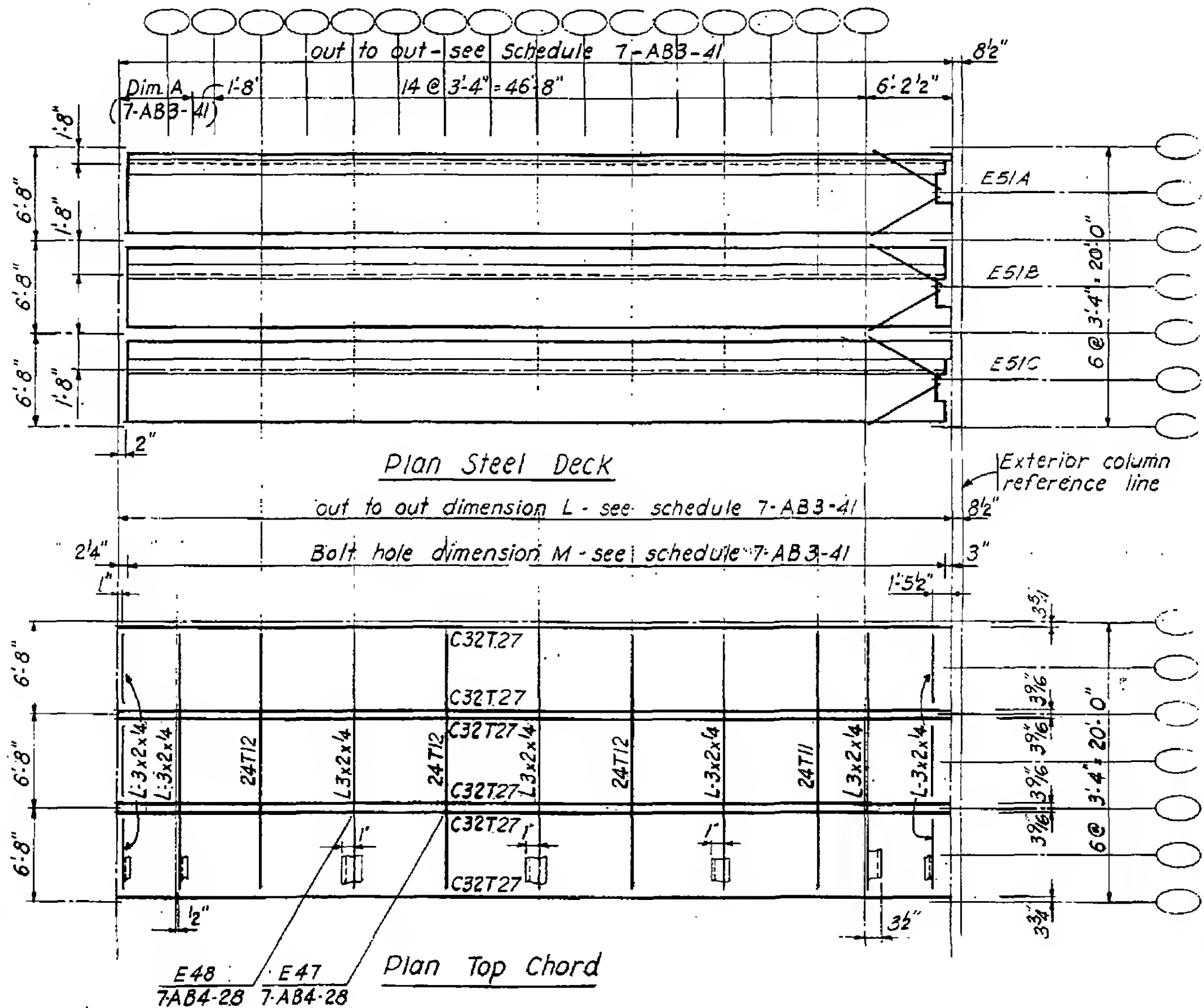
REVISIONS



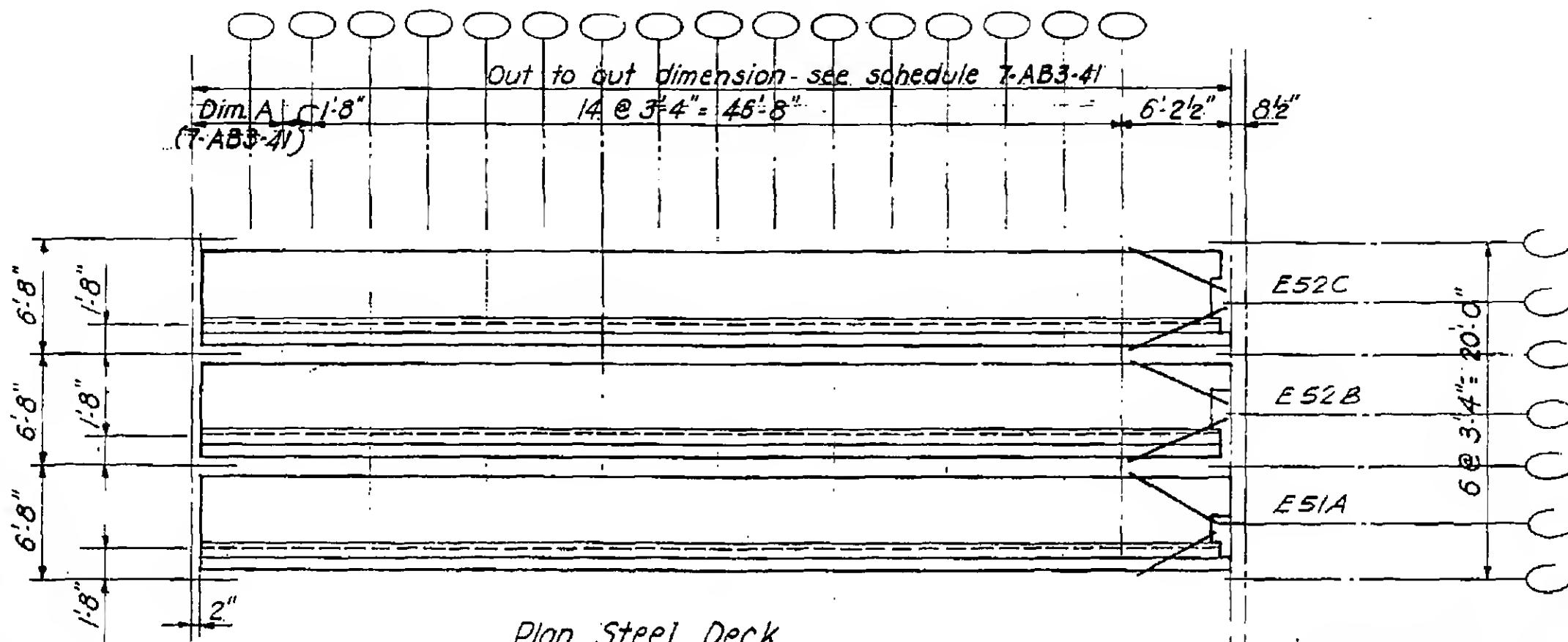
REVISIONS



REVISIONS



REVISIONS

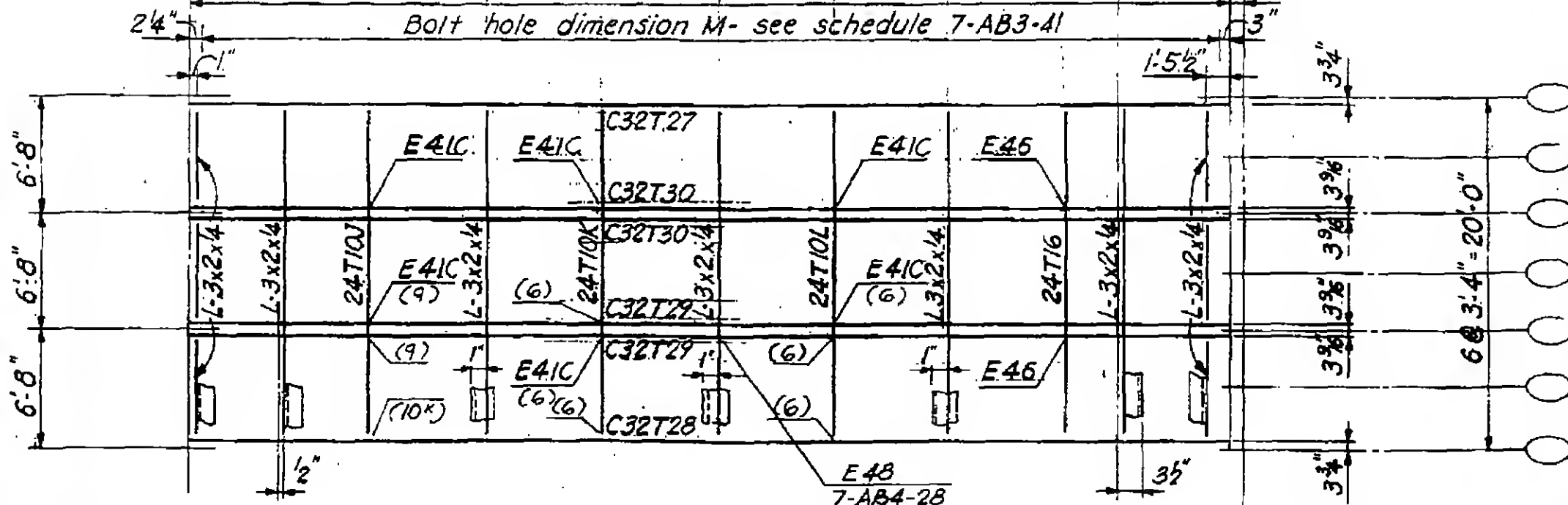


Plan Steel Deck

Out to out dimension L- see schedule 7-AB3-41

Bolt hole dimension M- see schedule 7-AB3-41

Exterior column
reference line



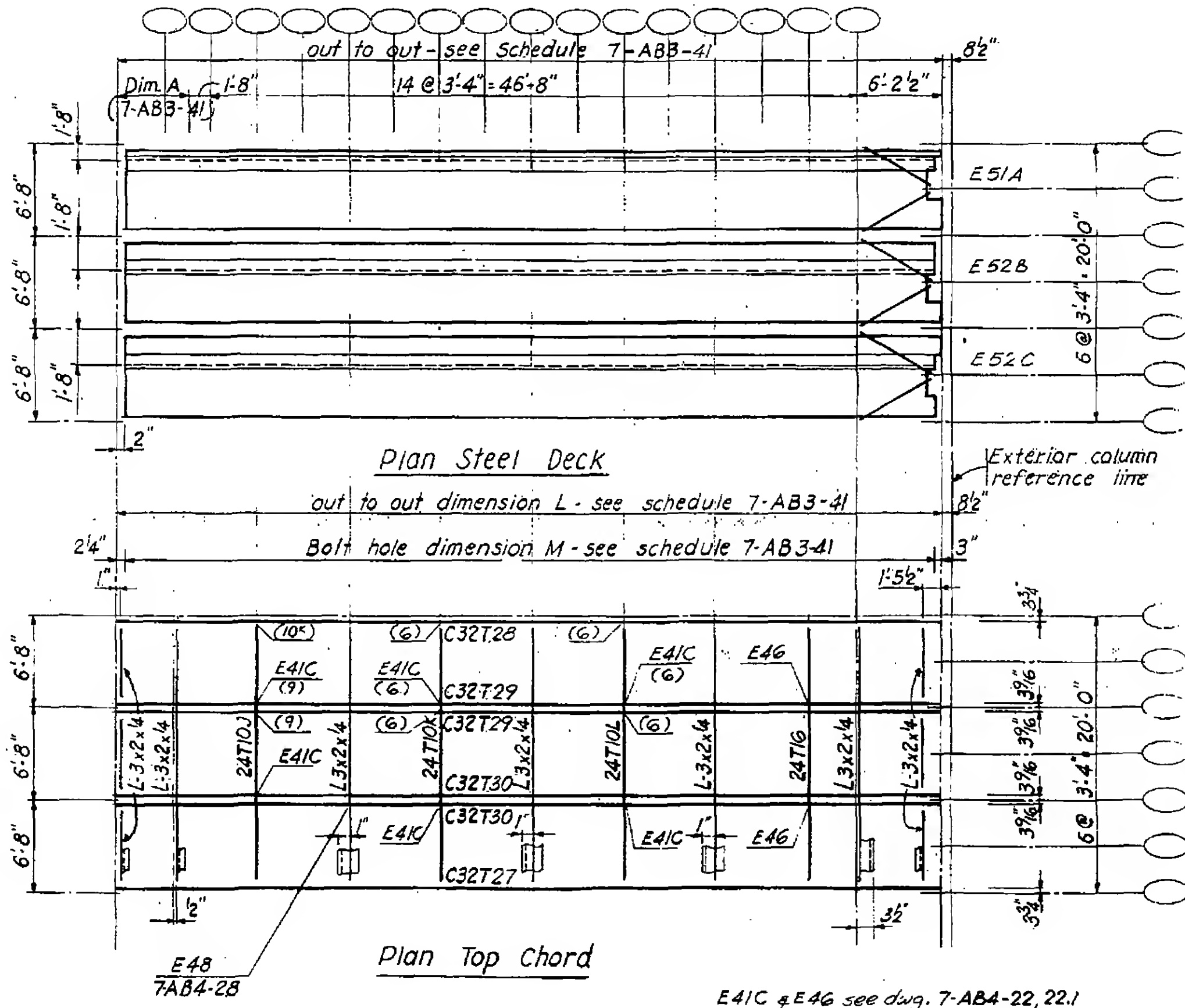
Plan Top Chord

E4K# E46 see 7-AB4-22; 22.1

7- AB3-47



REVISIONS



PROJECT THE WORLD TRADE CENTER

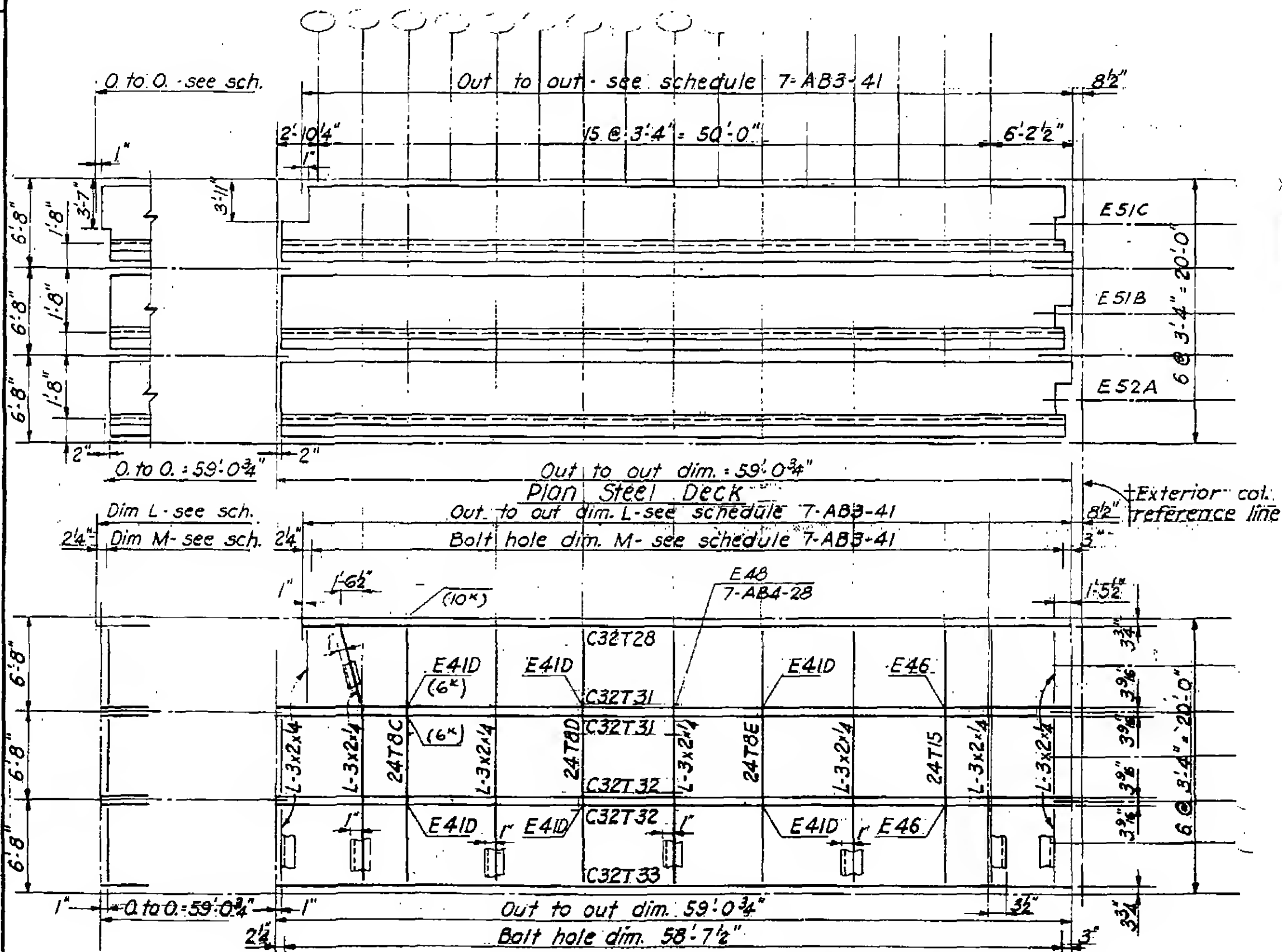
TITLE

FLOOR PANEL E3

DATE

1-6-69

REVISIONS



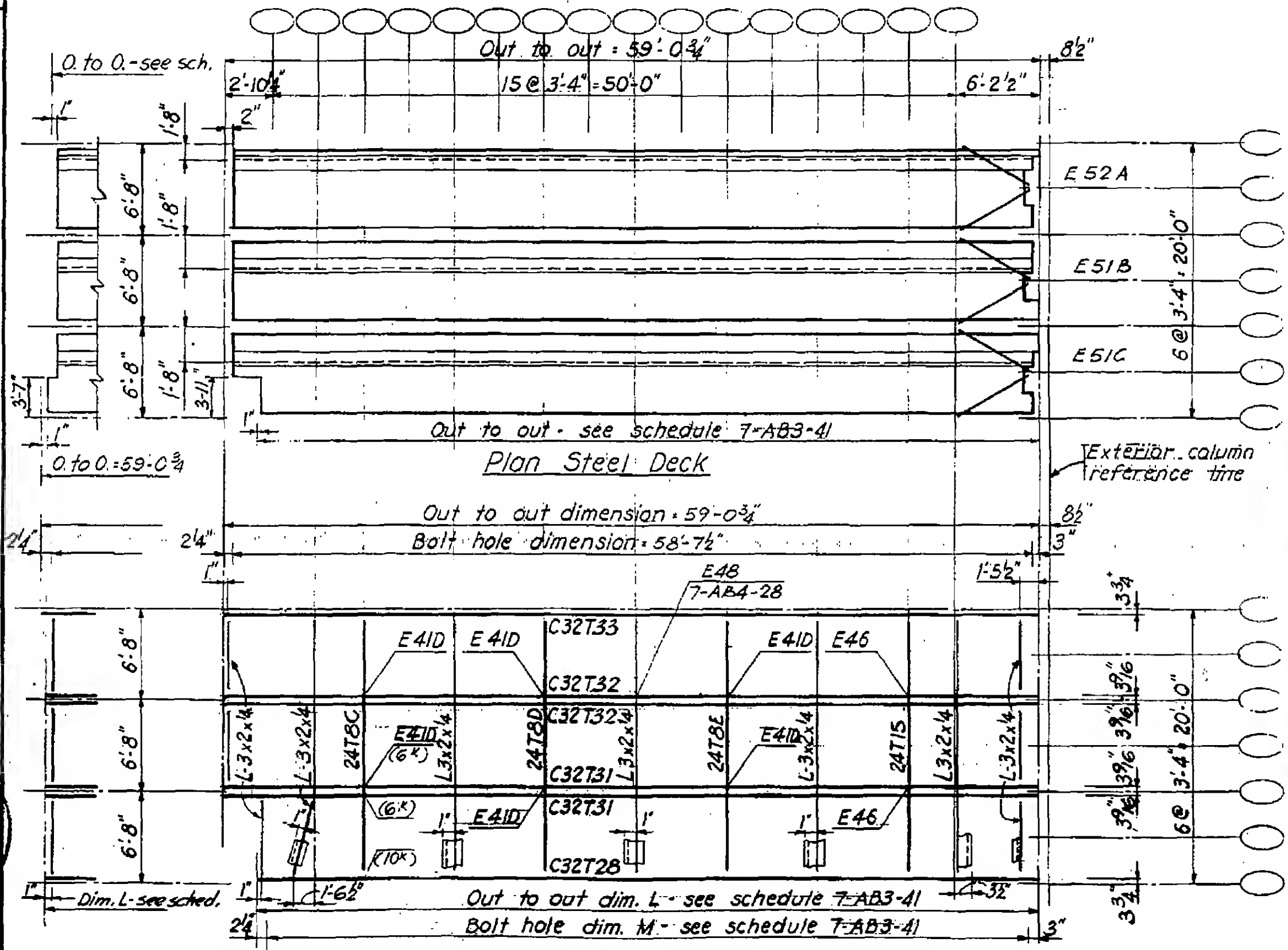
E41D & E46 see 7-AB4-22, 22.1

Plan Top Chord

7-AB3-49



REVISIONS



Plan Top Chord

E41 & E46 see 7-AB4-22,22.1

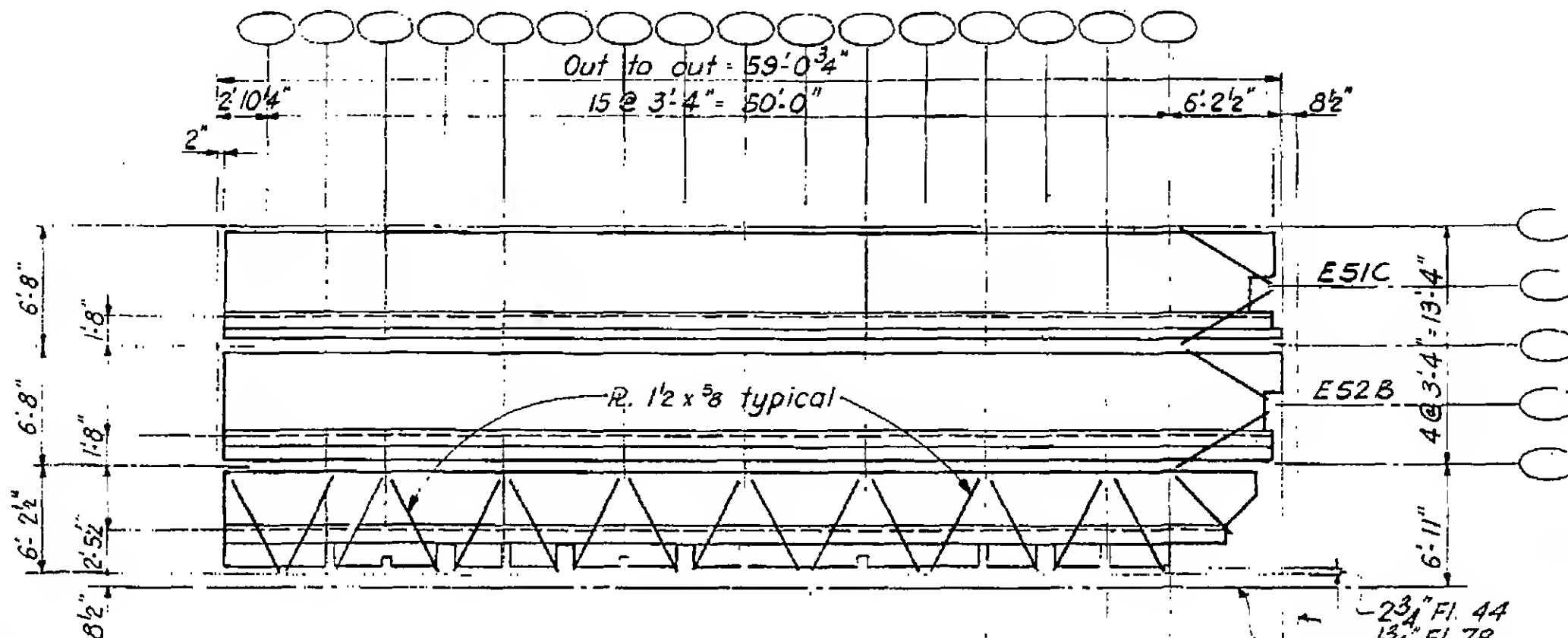
7-AB3-50

PROJECT THE WORLD TRADE CENTER

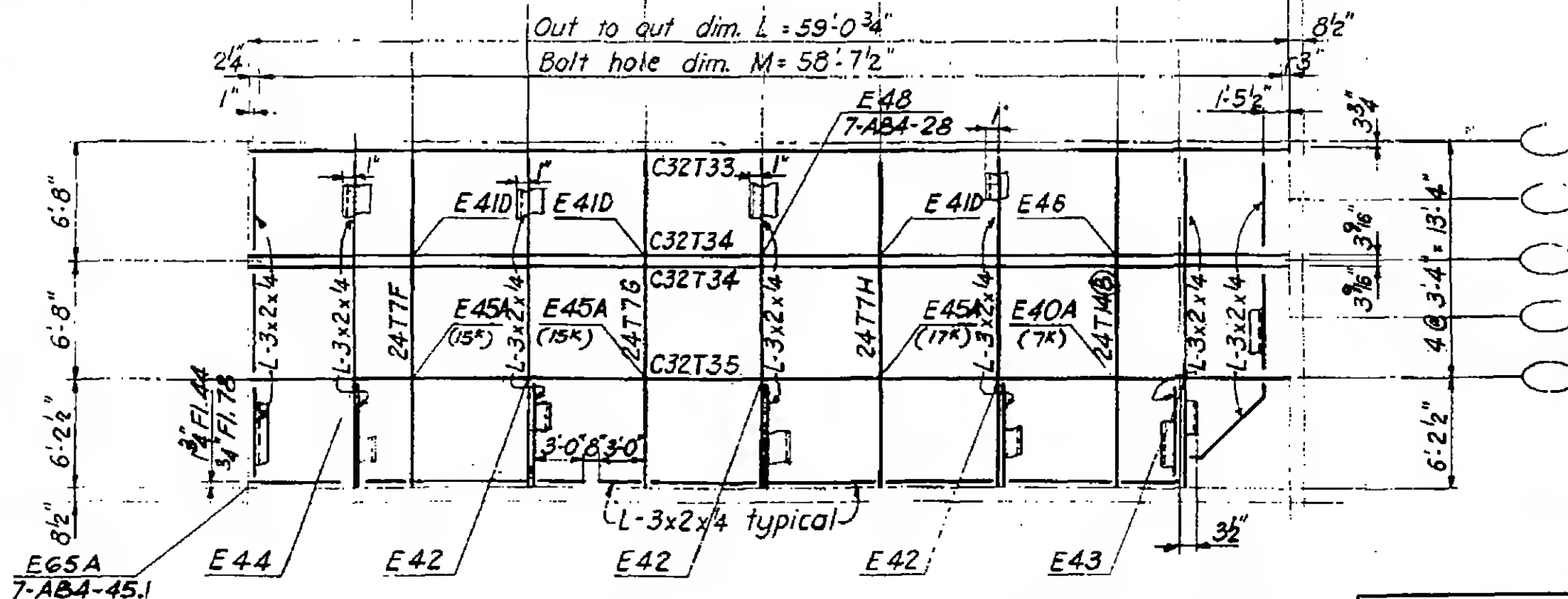
TITLE FLOOR PANEL F3

DATE 1-6-69

REVISIONS



Plan Steel Deck



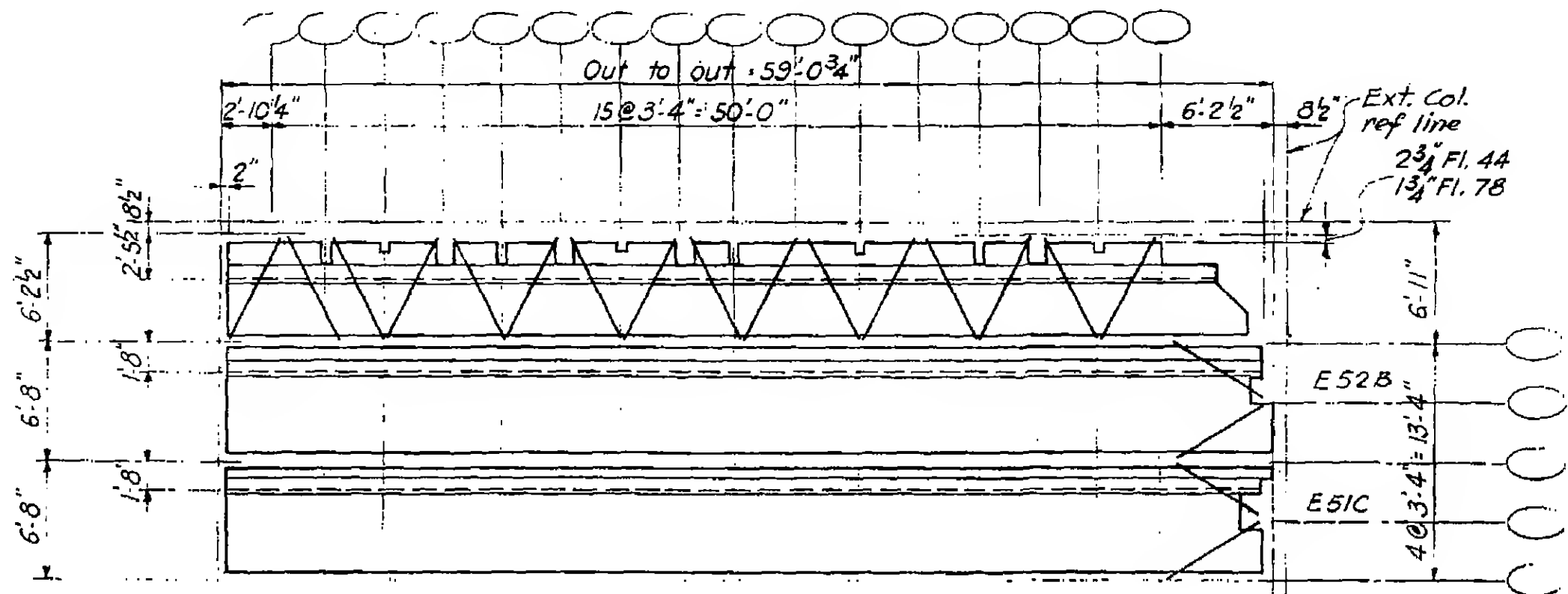
Plan Top Chord

E40A-E46 see 7-AB4-21-25

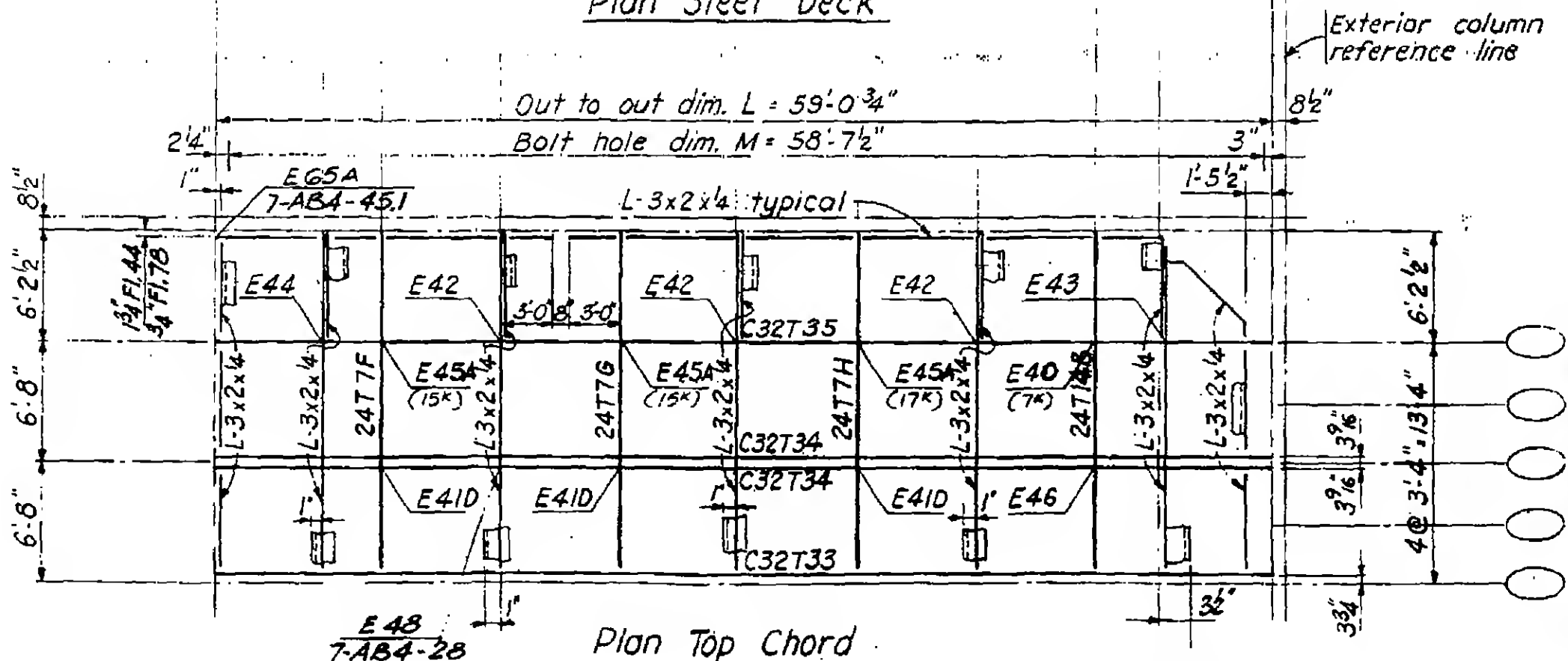
7-AB3-51



REVISIONS



Plan Steel Deck



E40A-E46 see 7-AB4-21-25

7-AB3-52

PROJECT

THE WORLD TRADE CENTER

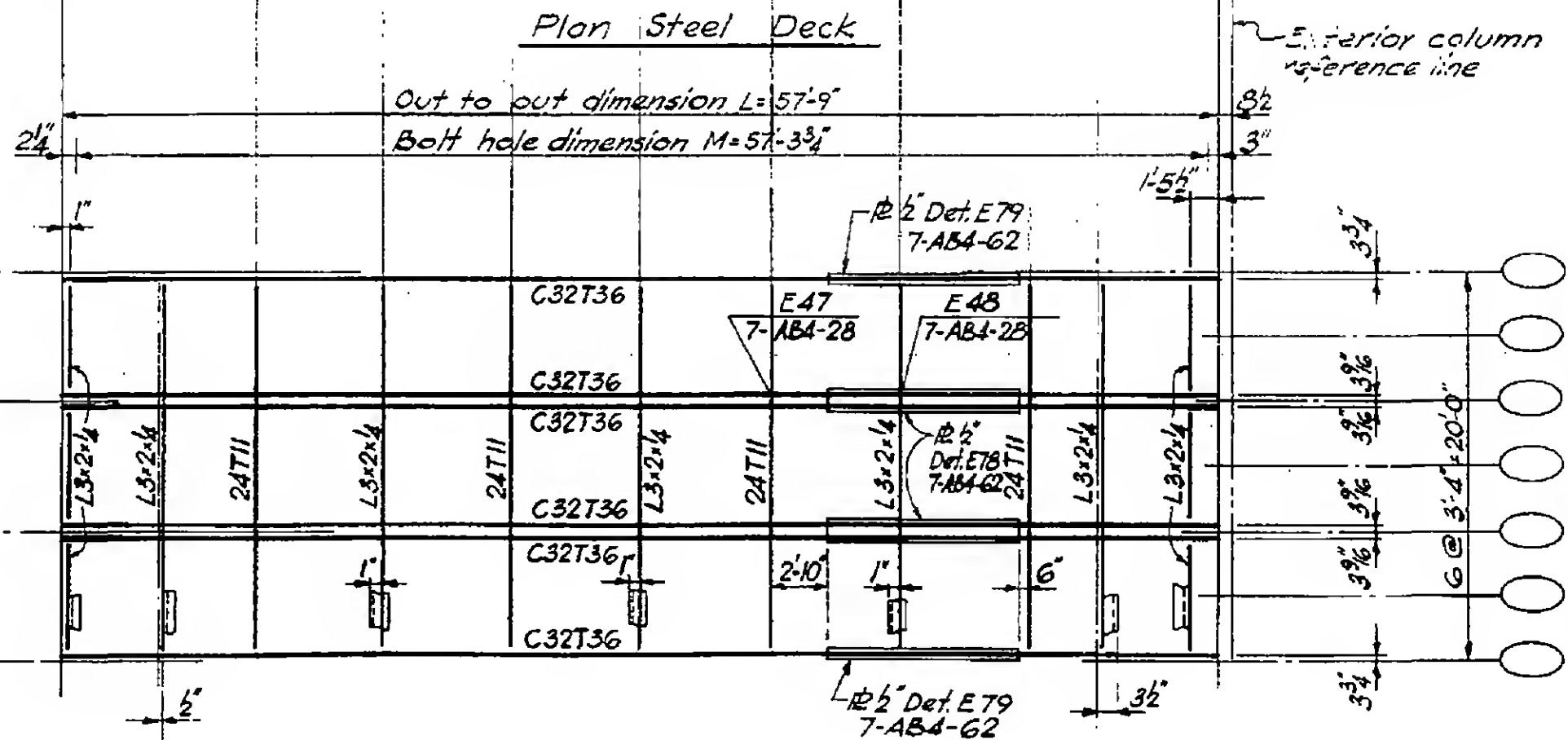
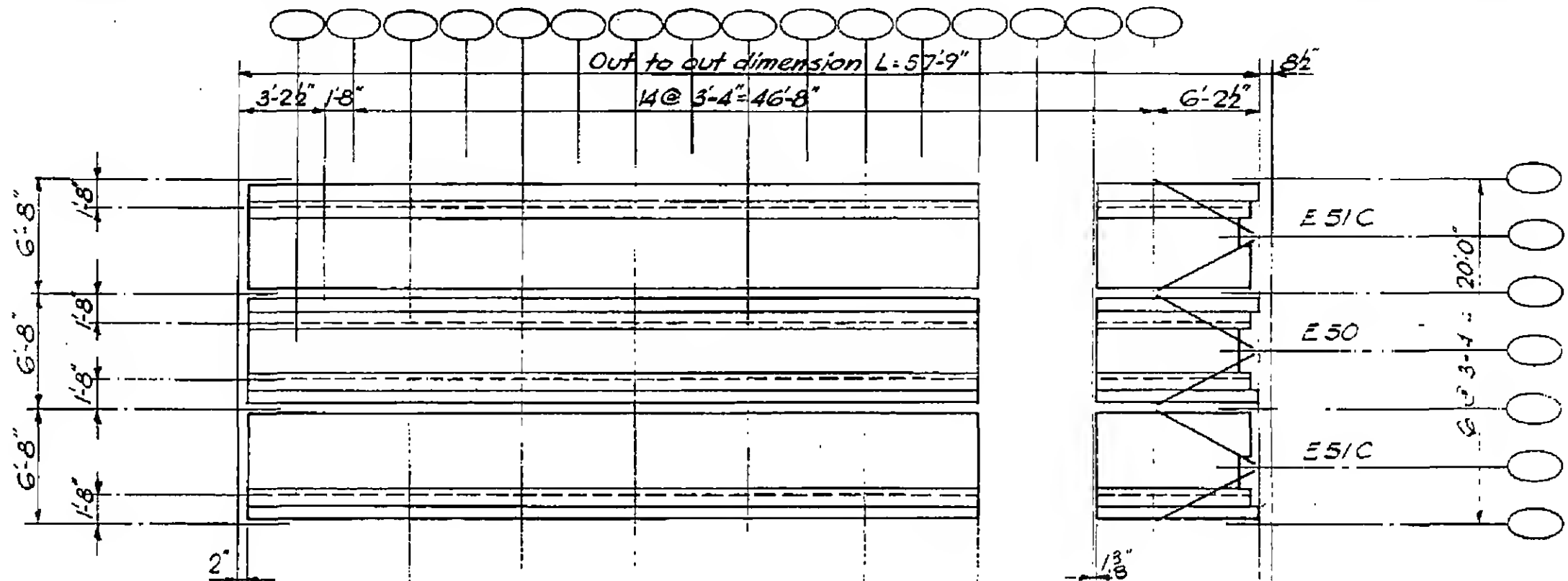
TITLE

FLOOR PANEL AB

DATE

1-6-69

REVISIONS



DESIGNED

DRAWN

REVIEWED

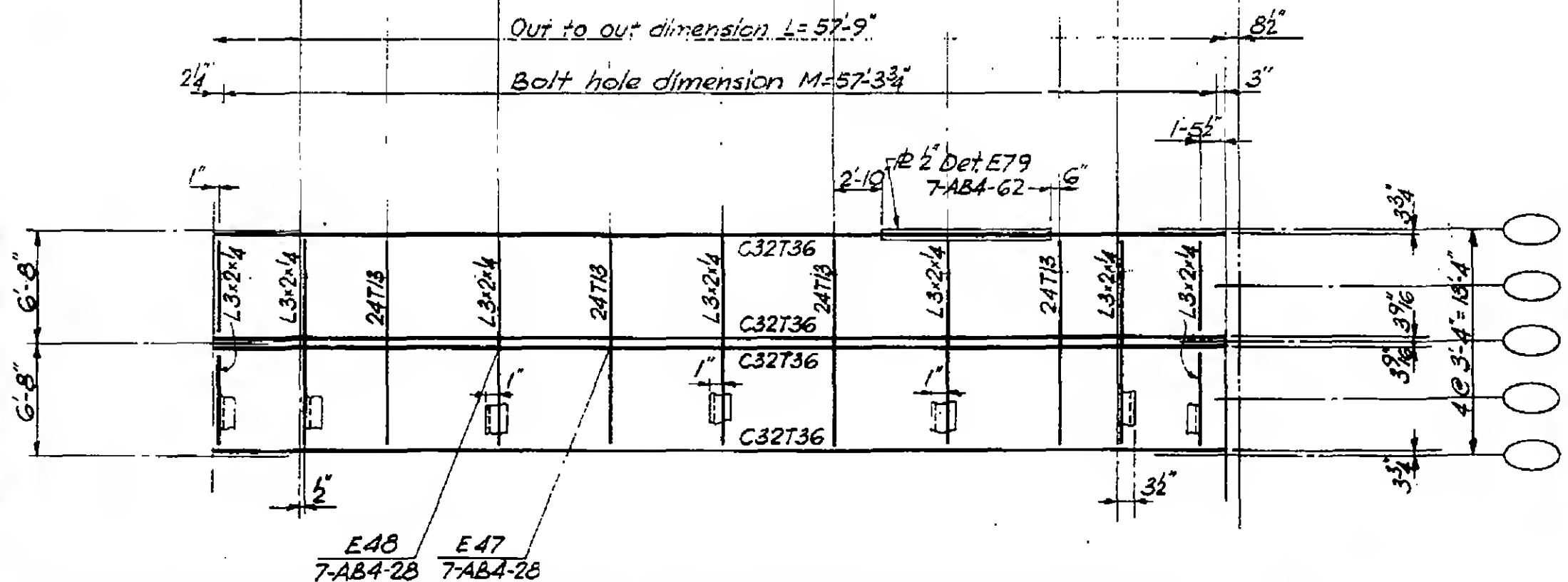
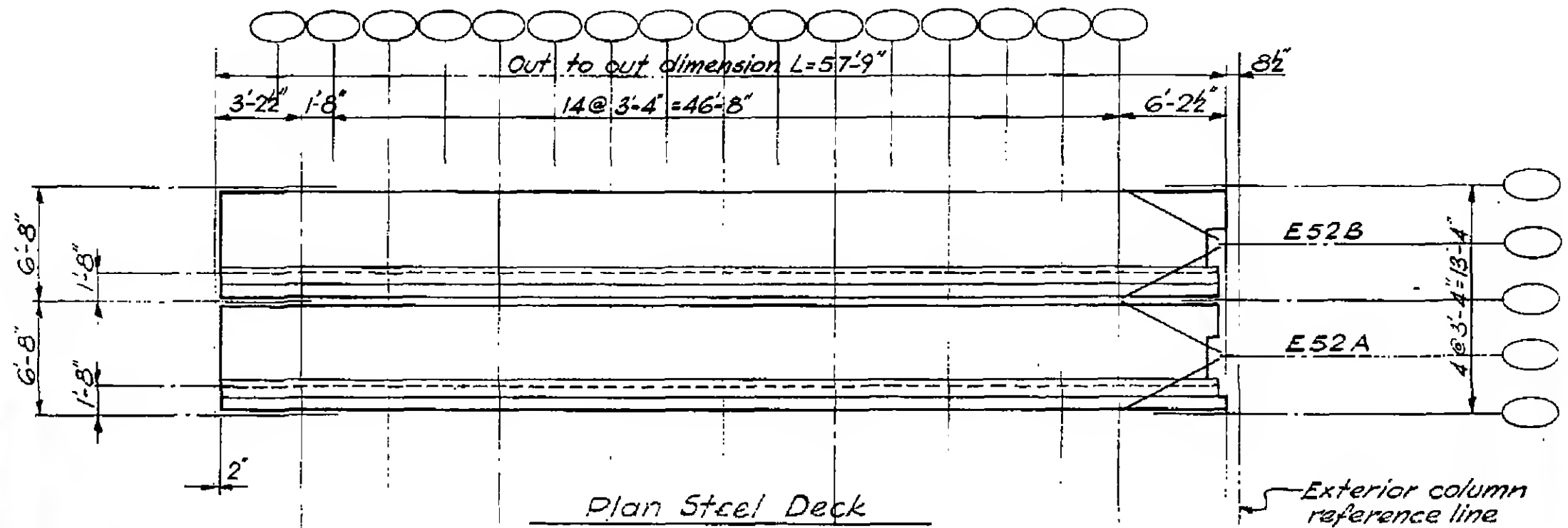
7-AB3-53

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL B8

DATE 1-6-69

REVISIONS



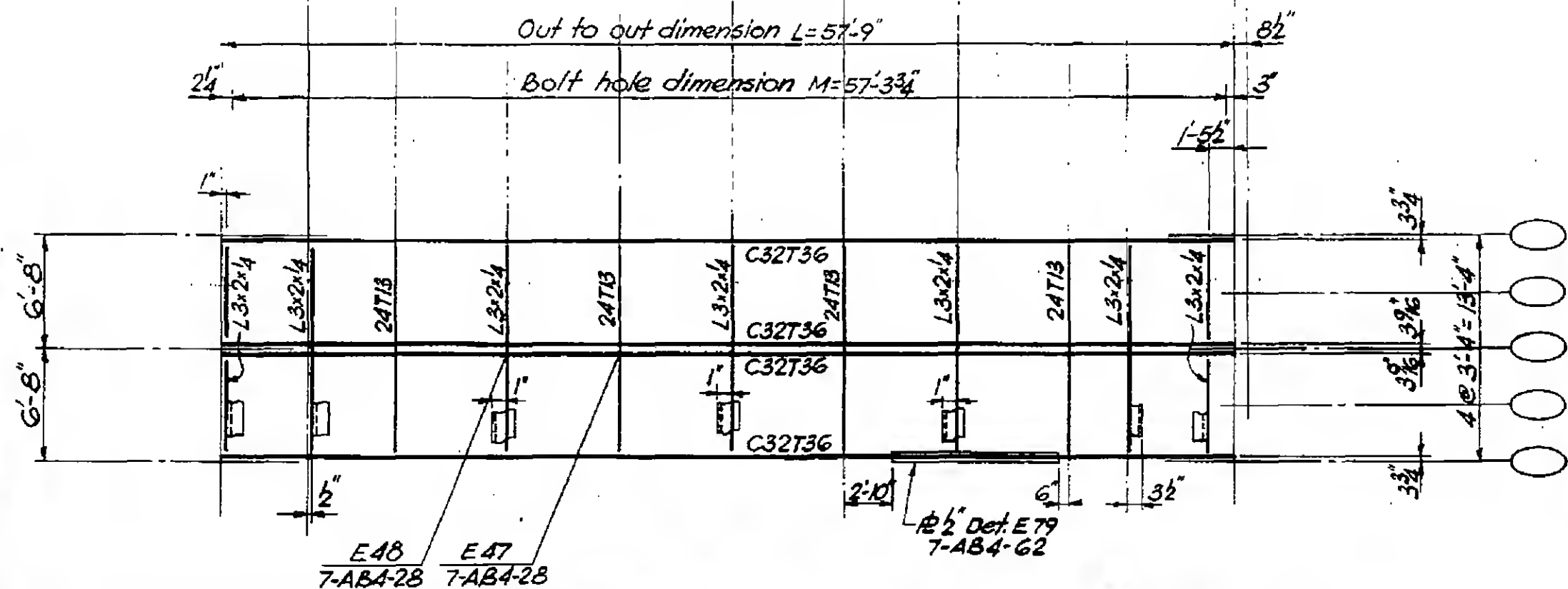
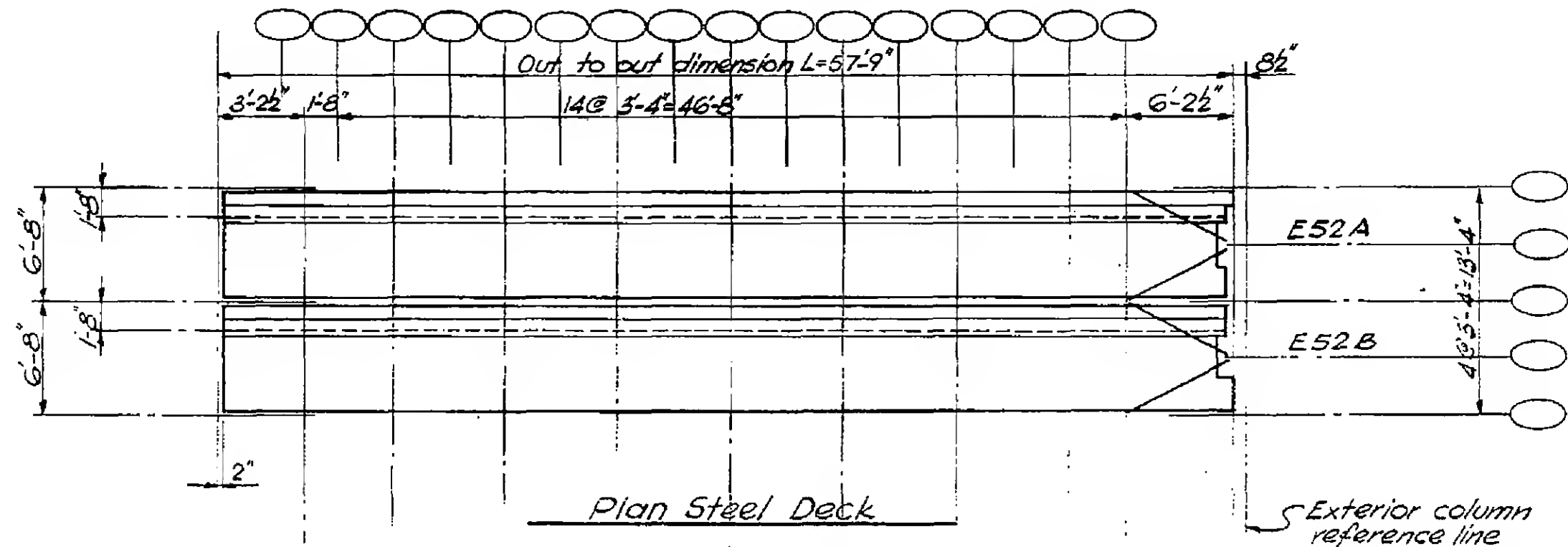
DESIGNED

DRAWN

REVIEWED

7-AB3-54

REVISIONS



Plan Top Chord

7-AB3-55

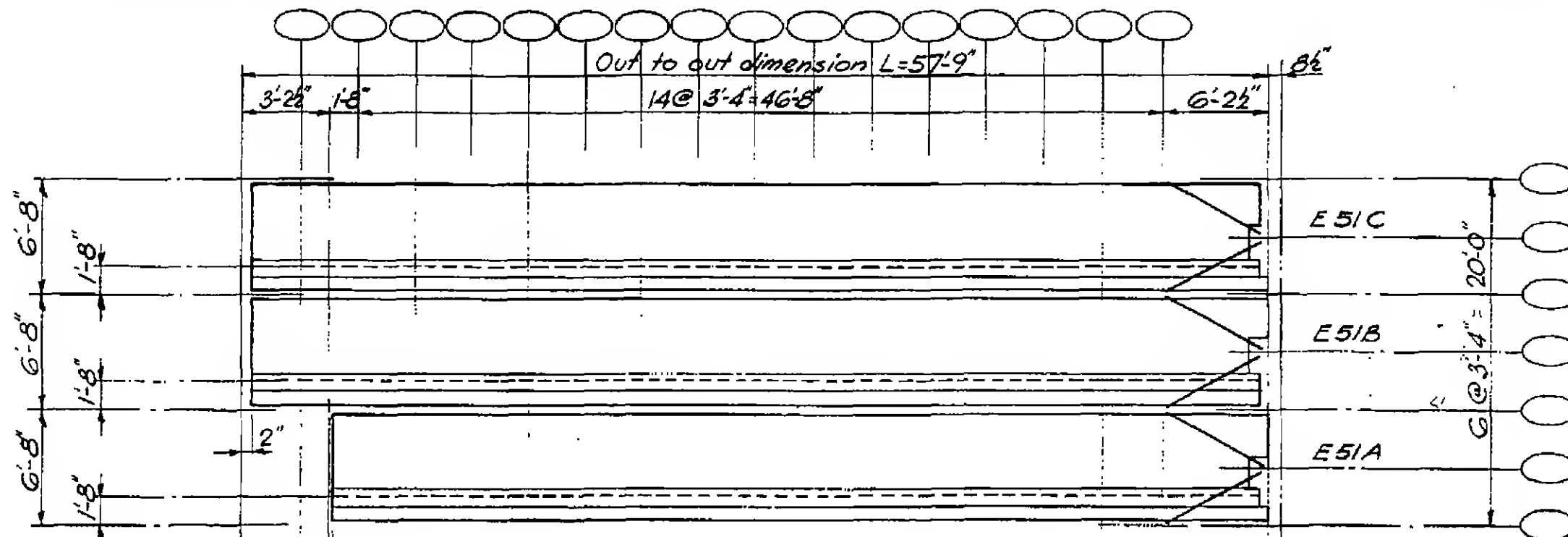


Structural & Civil Engineers

TITLE *FLOOR PANEL C8*

DATE 1-6-69

REVISIONS

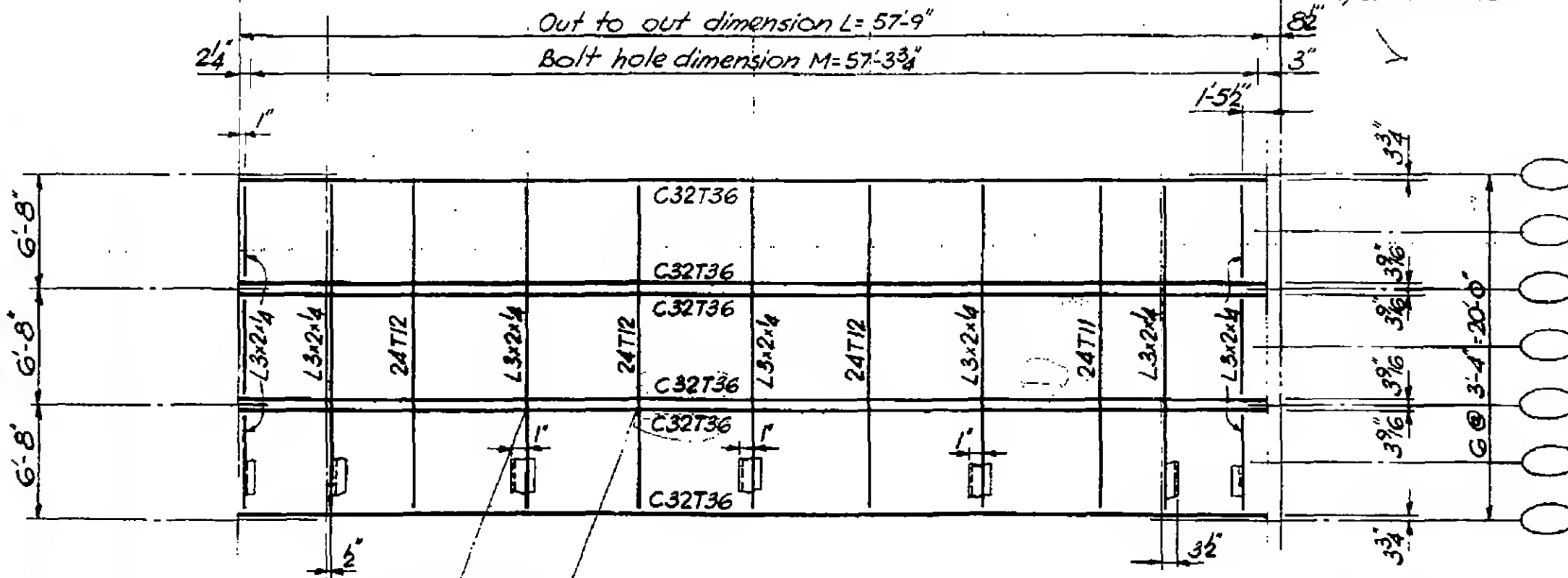


Plan Steel Deck

Out to out dimension $L = 57'-9"$

Bolt hole dimension $M=57-3\frac{3}{4}"$

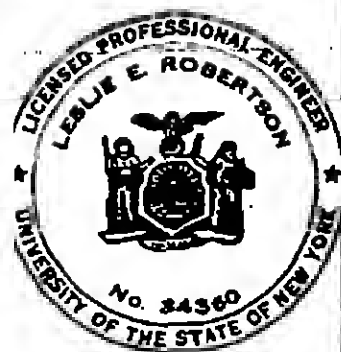
Exterior column
reference line



Plan Top Chord

E48 E47
7-AB4-28 7-AB4-28

7-AB3-56



DESIGNED

DRAWN

REVIEWED

Structural & Civil Engineers

TITLE FLOOR PANEL CR8

DATE 1-6-69

Technical drawing of a bridge deck cross-section showing three lanes (E 51A, E 51B, E 51C) with dimensions for width, depth, and spacing.

Horizontal Dimensions:

- Out to out dimension $L = 57'-9"$
- 14 @ 3'-4" = 46'-8"
- 3'-2 1/2"
- 1'-8"
- 6'-2 1/2"
- 8 1/2"

Vertical Dimensions:

- 6'-8"
- 1'-8"
- 6'-8"
- 1'-8"
- 6'-8"
- 1'-8"
- 6 @ 3'-4" = 20'-0"

Labels:

- E 51A
- E 51B
- E 51C

[illegible]

Plan Top Chord

7-AB3-57



DESIGNED

DRAWN

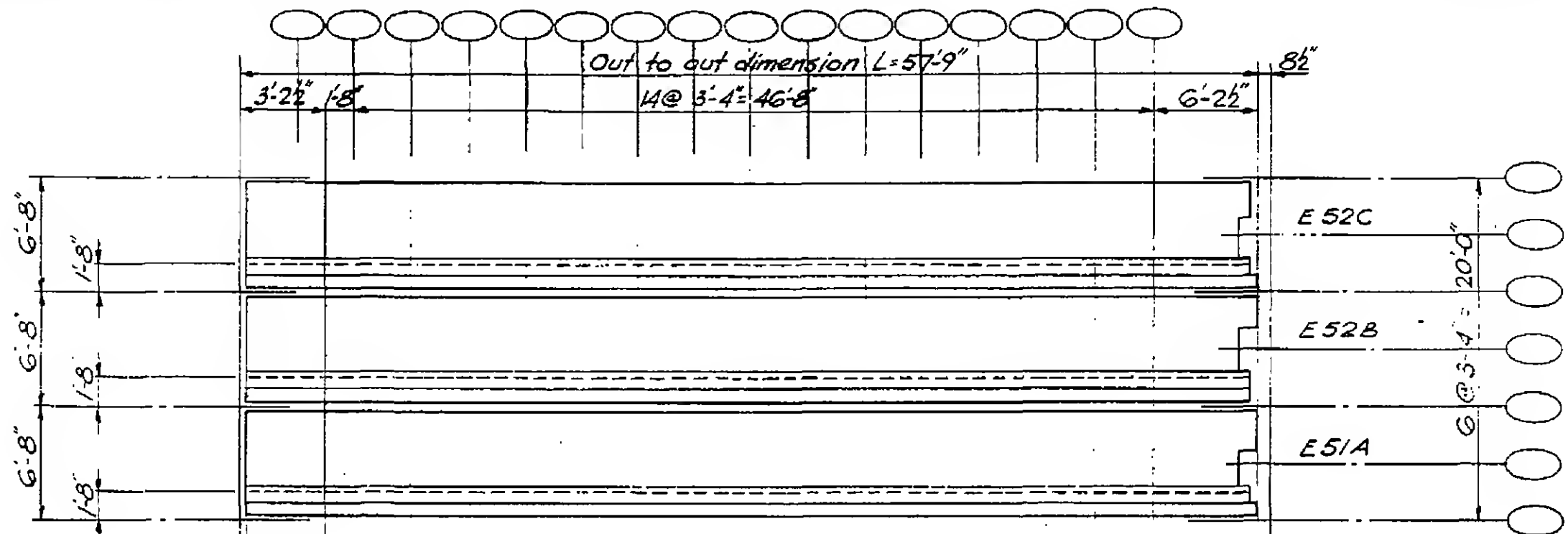
REVIEWED

Structural & Civil Engineers

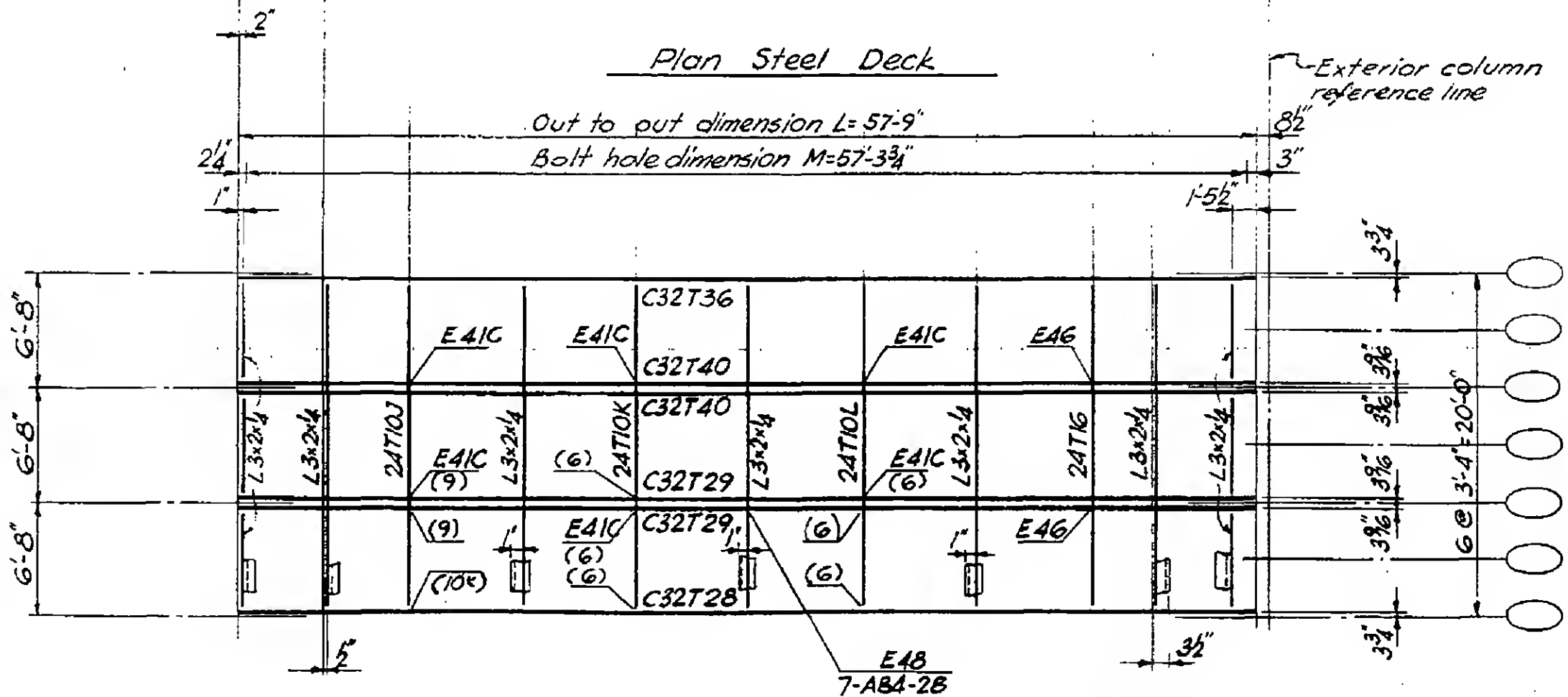
TITLE FLOOR PANEL D8

DATE 1-6-69

REVISIONS



Plan Steel Deck



Plan Top Chord

E41C & 4G see 7-AB4-22, 22.1

7-AB3-58



DESIGNER

DRAWN

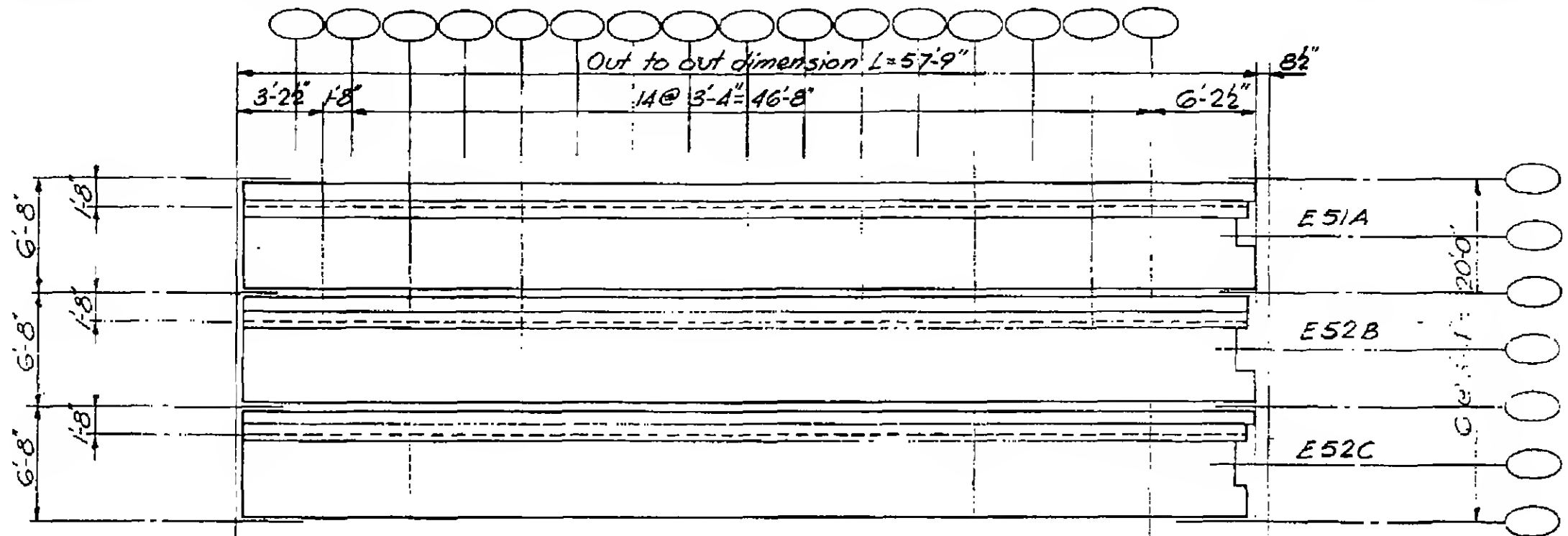
REVIEWED

Structural & Civil Engineers

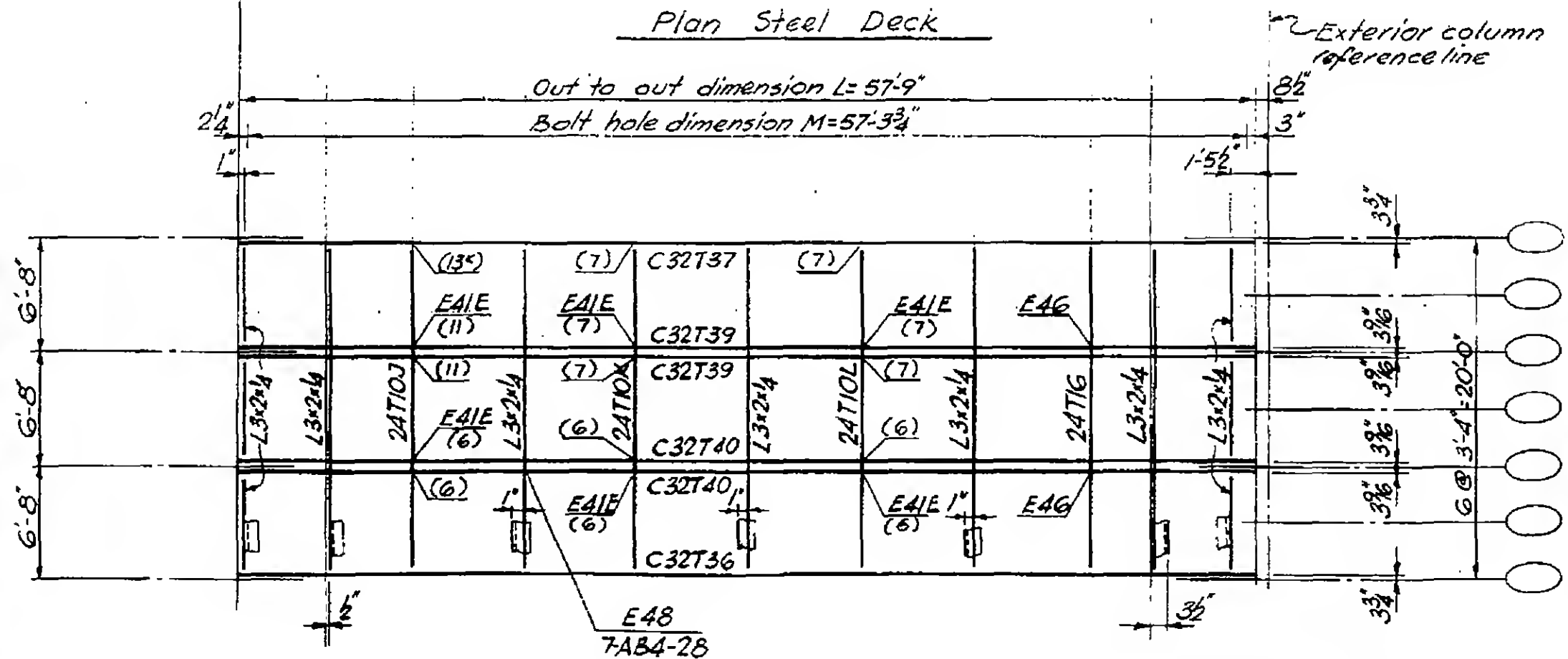
TITLE *FLOOR PANEL DR8*

DATE 1-6-69

REVISIONS



Plan Steel Deck



E4/E, E4G see dwg. 7-ABA-22, 22.1

Plan Top Chord

7-AB3-59



DESIGNER

DRAWN

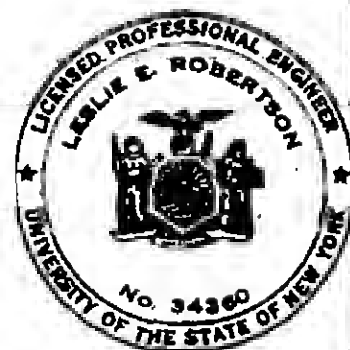
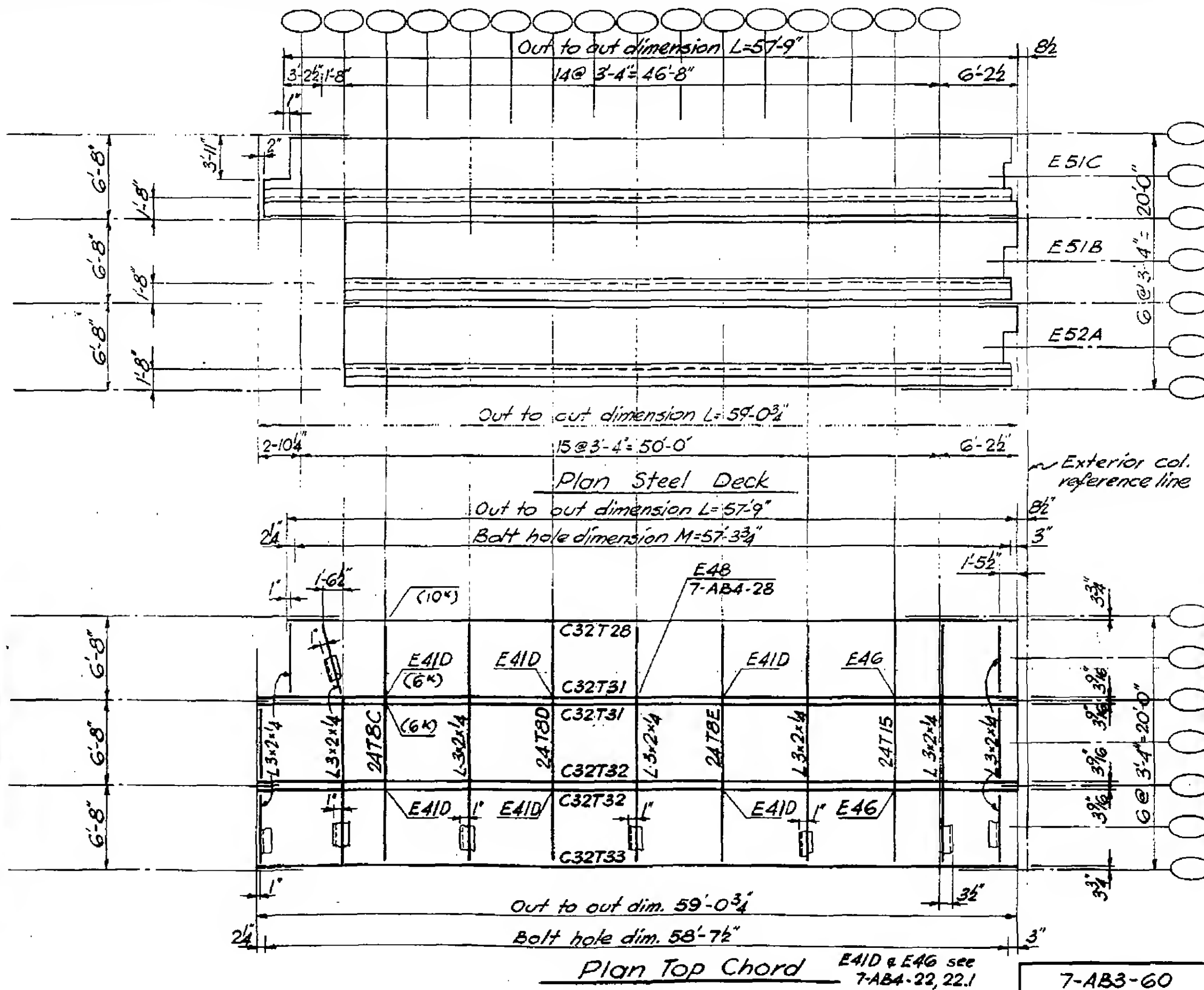
REVIEWED

43

TITLE FLOOR PANEL E8

DATE 1-6-69

REVISIONS



타이완의 경제

DRAY

REVIEWED

E4/D & E4G see
— 7-AB4-22, 22.1

7-AB3-60

Structural & Civil Engineers

TITLE FLOOR PANEL ER8

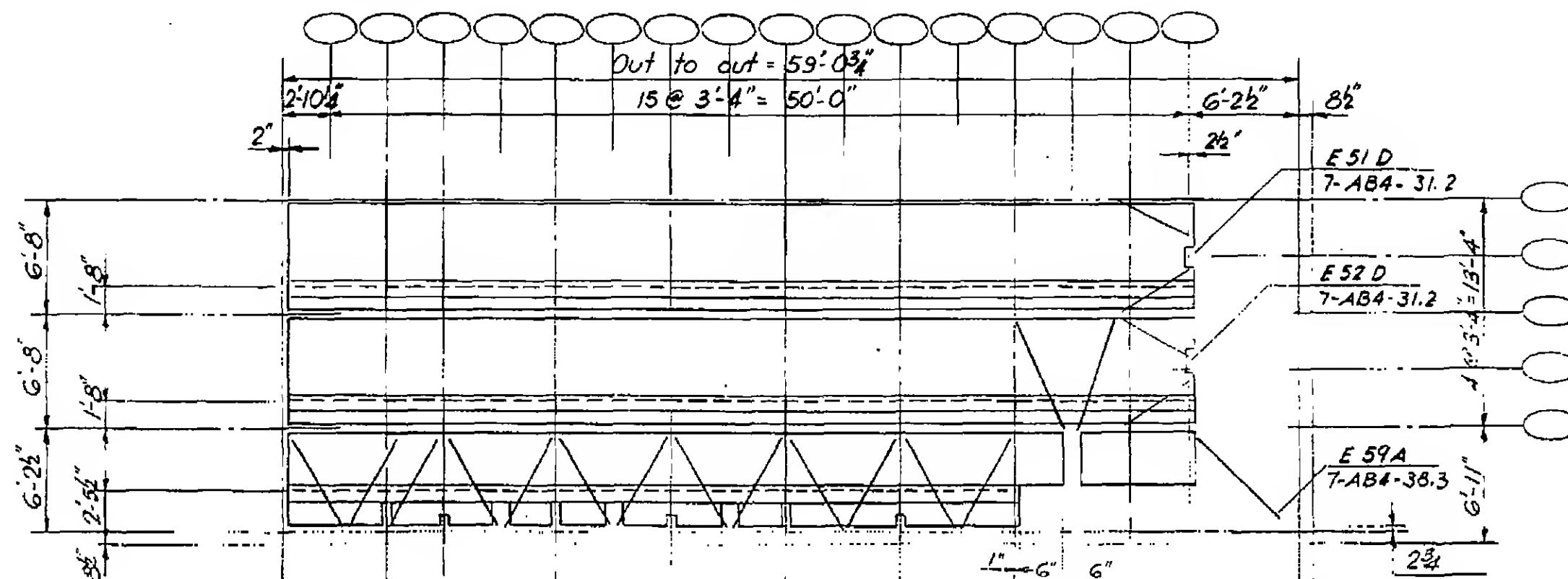
DATE 1-6-69

[illegible]

REVIEWED

7-AB3-61

REVISIONS

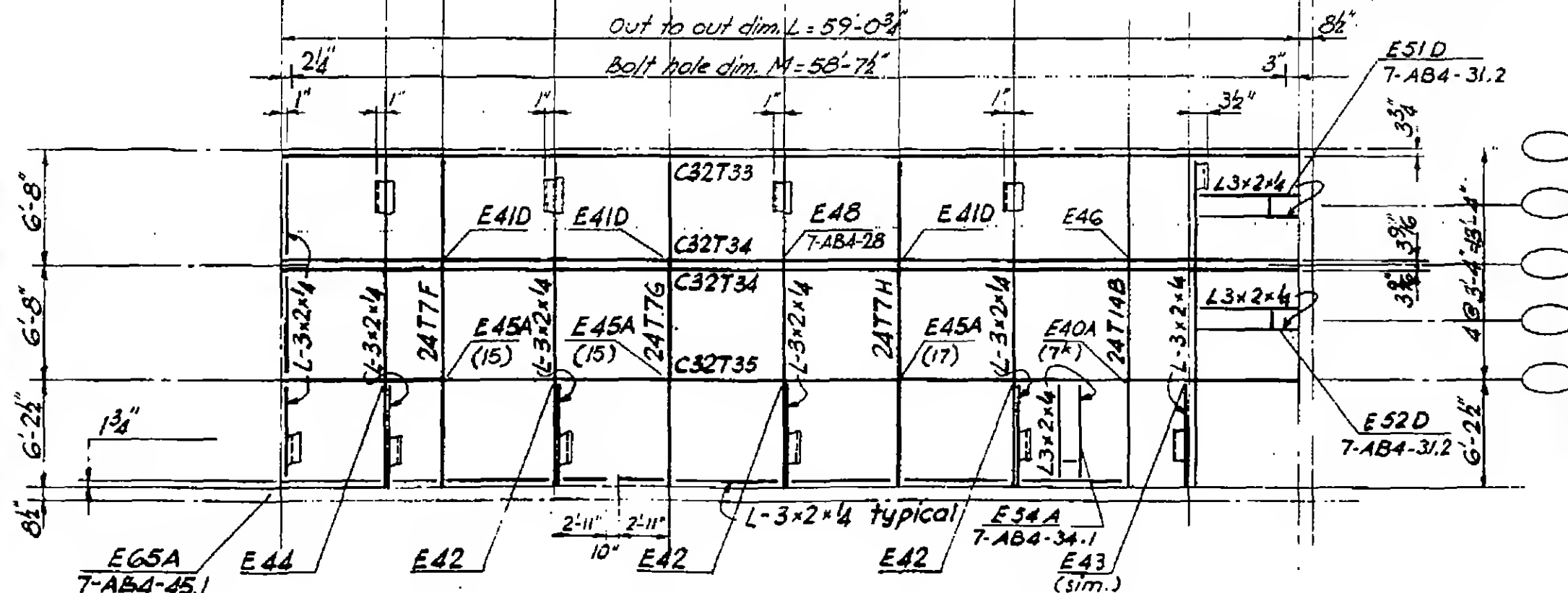


Plan Steel Deck

out to out dim. $L = 59.034''$

Bolt hole dim. $M = 58' - 7\frac{1}{2}"$

Exterior column
reference line



Plan Top Chord

E40A - E46 sec 7-ABA-21-25

7-AB3-62



DESIGNED

PRAWO

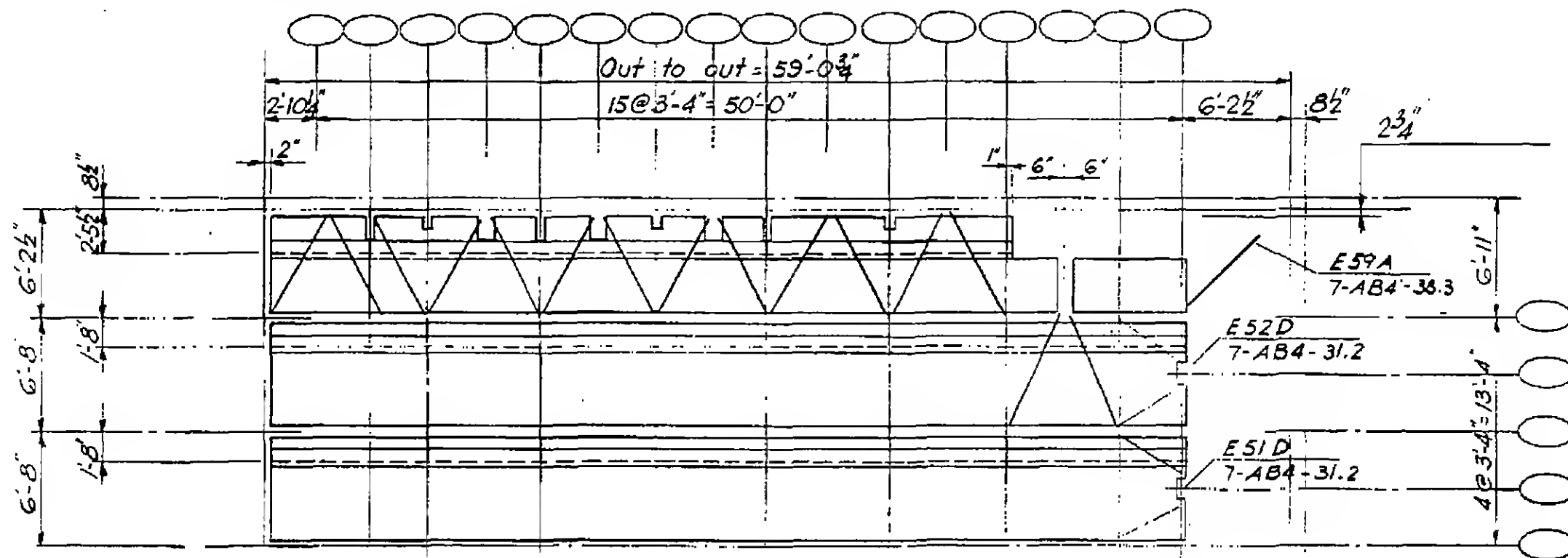
REVIEWED

Structural & Civil Engineers

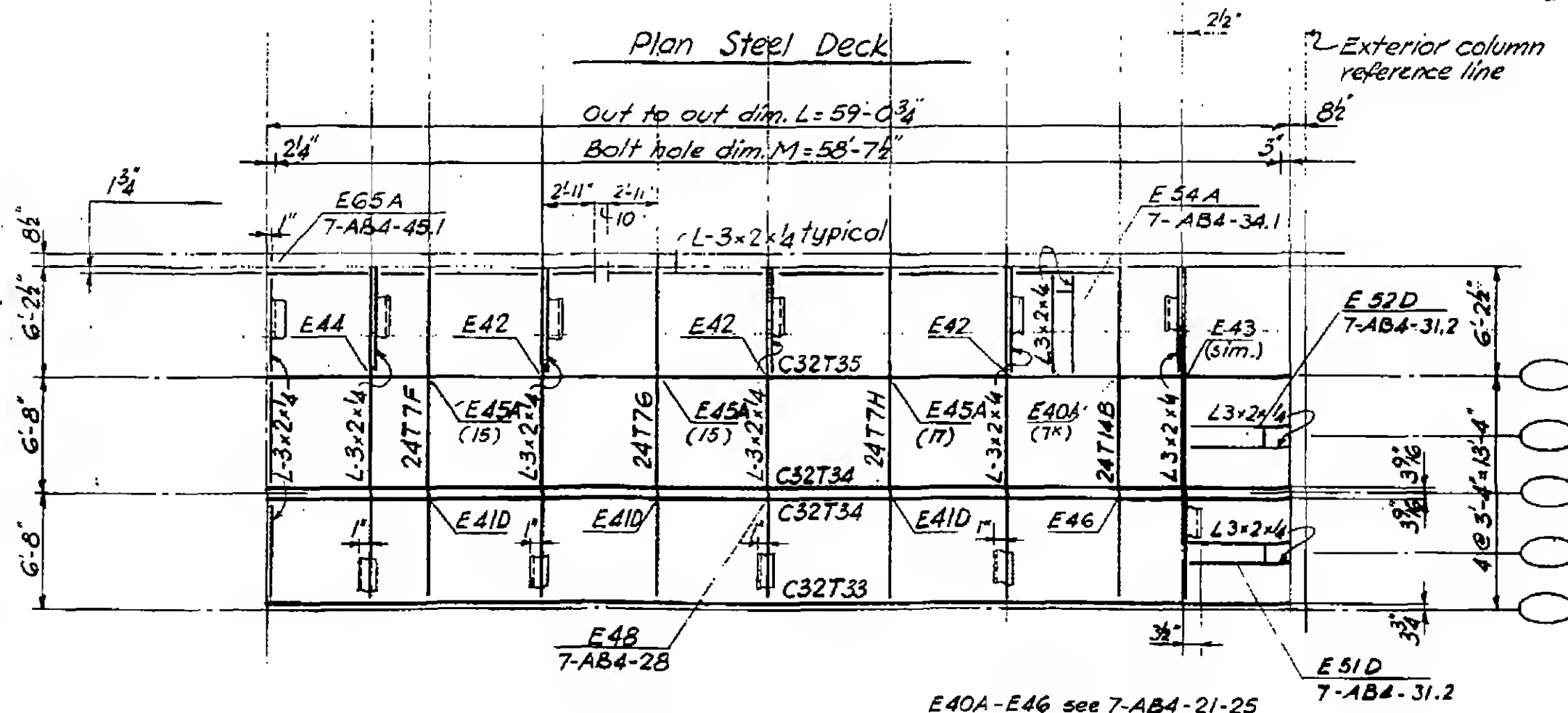
TITLE	FLOOR PANEL FR8
-------	-----------------

DATE 1-20-69

REVISIONS



Plan Steel Deck



Plan Top Chord

7-AB3-63



ORIGIN

DRAWN

REVIEWED

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR

PANEL - DIMENSION SCHEDULE 5

DATE

11-25-68

REVISIONS

PANEL NO.

OUT TO OUT
PANEL DIM. LBOLT HOLE
DIMENSION MDIMENSION
A

D5A	DR5A	E5A	ER5A	59' - 9"	59' - 3 ³ / ₄ "	5' - 2 ¹ / ₂ "
D5B	DR5B	E5B	ER5B	59' - 8 ¹ / ₂ "	59' - 3 ¹ / ₄ "	5' - 2"
D5C	DR5C	E5C	ER5C	59' - 8"	59' - 2 ³ / ₄ "	5' - 1 ¹ / ₂ "
D5D	DR5D	E5D	ER5D	59' - 5"	58' - 11 ³ / ₄ "	4' - 10 ¹ / ₂ "
D5E	DR5E	E5E	ER5E	59' - 3"	58' - 9 ³ / ₄ "	4' - 8 ¹ / ₂ "
D5F	DR5F	E5F	ER5F	59' - 2"	58' - 8 ³ / ₄ "	4' - 7 ¹ / ₂ "
D5G	DR5G	E5G	ER5G	58' - 11"	58' - 5 ³ / ₄ "	4' - 4 ¹ / ₂ "
D5H	DR5H	E5H	ER5H	58' - 8"	58' - 2 ³ / ₄ "	4' - 1 ¹ / ₂ "
D5J	DR5J	E5J	ER5J	58' - 7"	58' - 1 ³ / ₄ "	4' - 0 ¹ / ₂ "
D5K	DR5K	E5K	ER5K	58' - 6"	58' - 0 ³ / ₄ "	3' - 11 ¹ / ₂ "
D5M	DR5M	E5M	ER5M	58' - 3"	57' - 9 ³ / ₄ "	3' - 8 ¹ / ₂ "
D5N	DR5N	E5N	ER5N	57' - 9"	57' - 3 ³ / ₄ "	3' - 2 ¹ / ₂ "
D5P	DR5P	E5P	ER5P	57' - 7"	57' - 1 ³ / ₄ "	3' - 0 ¹ / ₂ "



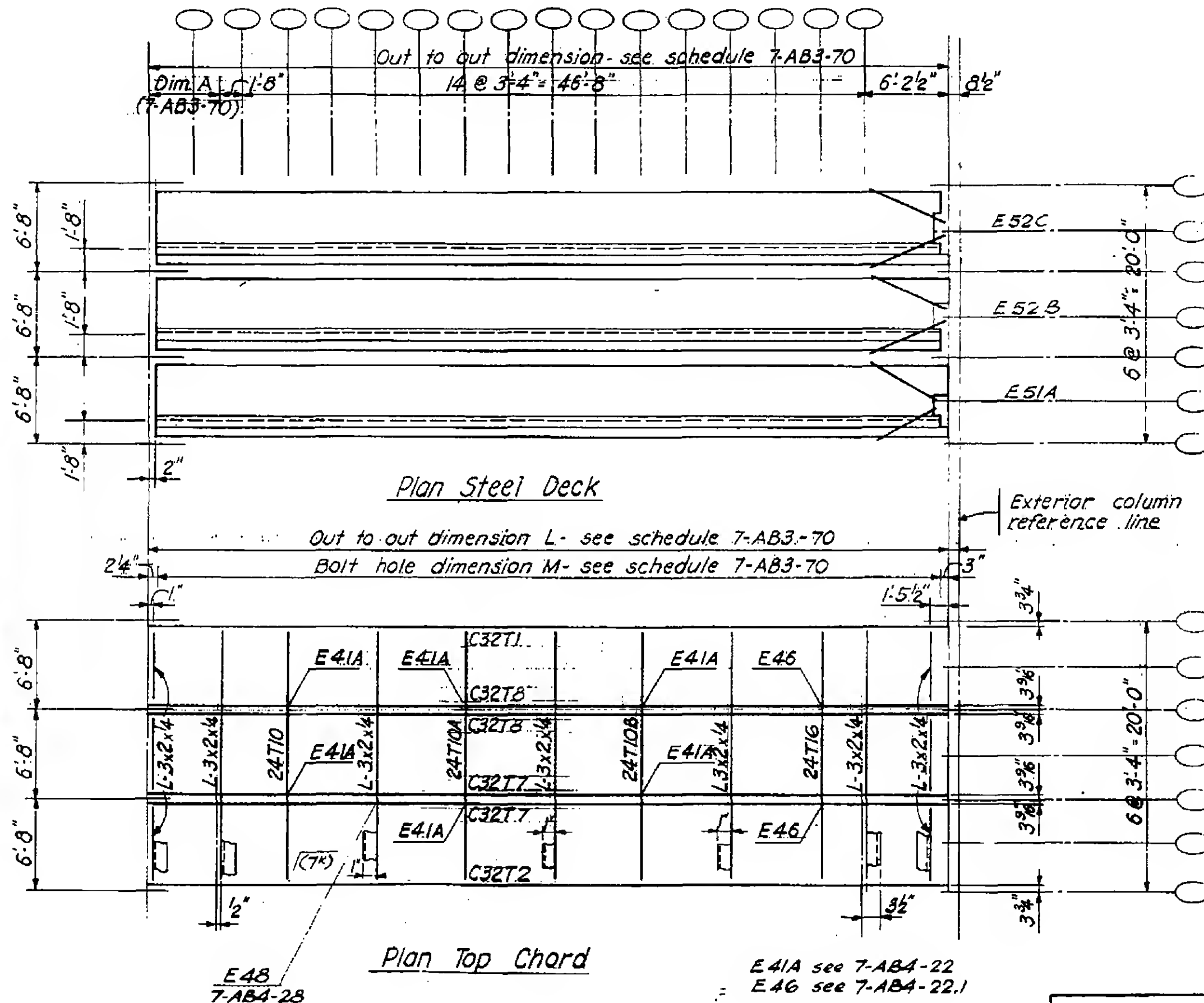
DESIGNED

DRAWN

REVIEWED

7-AB3-70

REVISIONS

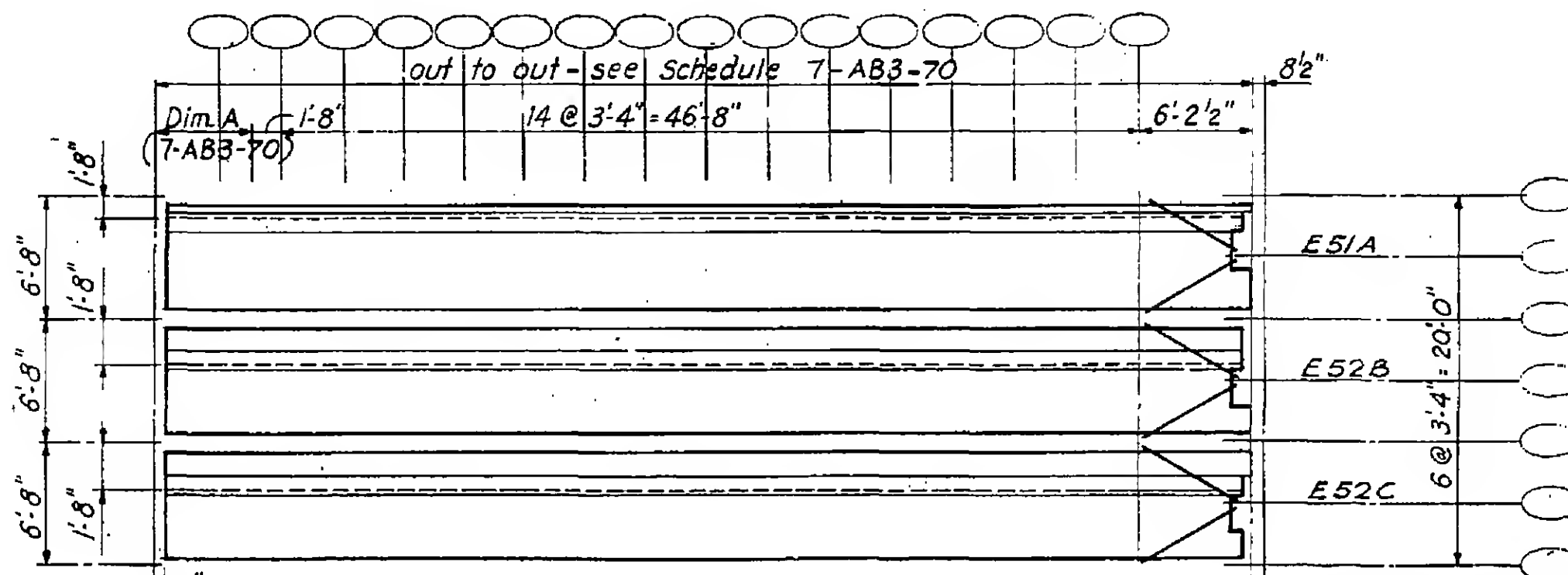


E41A see 7-ABA-22
E46 see 7-ABA-22.1

7- AB3-71

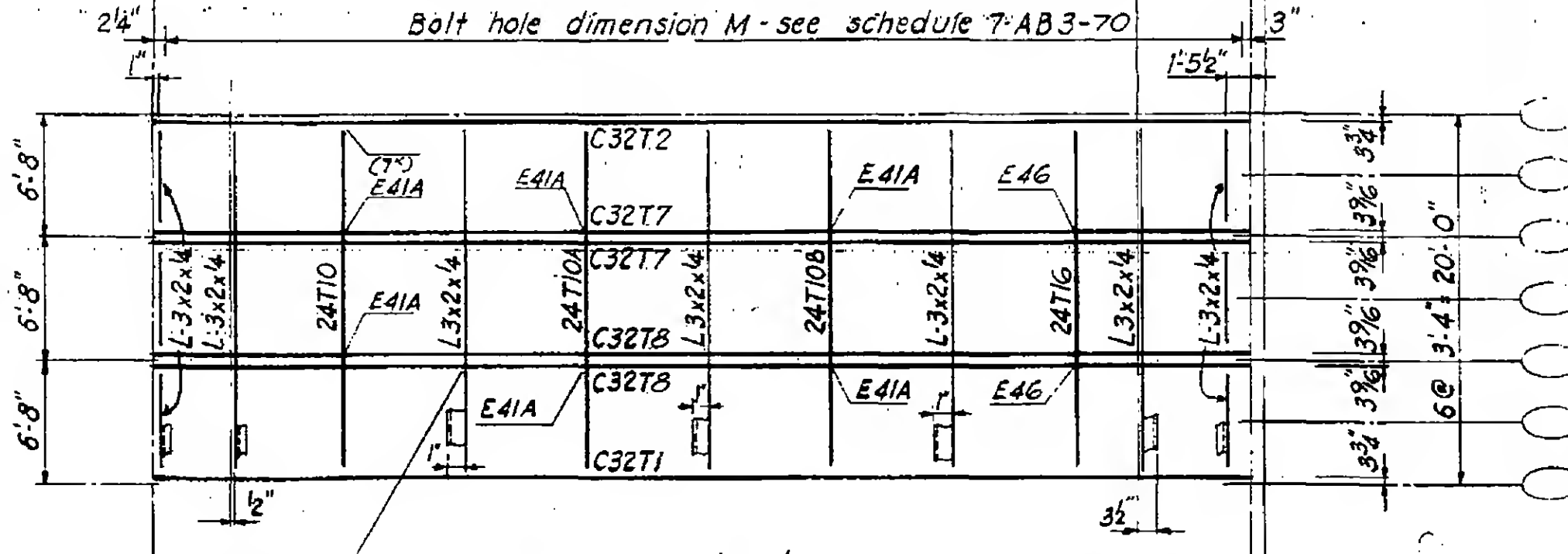


REVISIONS

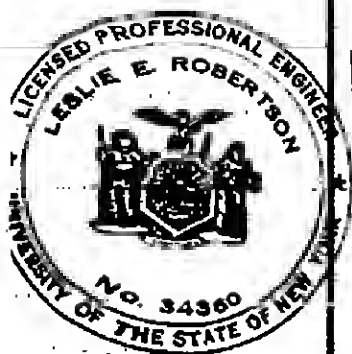
Plan Steel Deck

out to out dimension L - see schedule 7-AB3-70

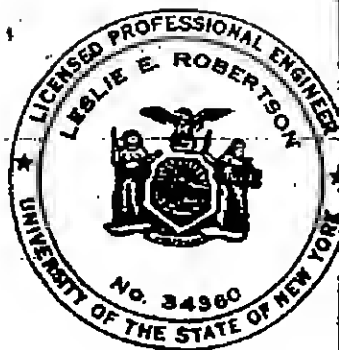
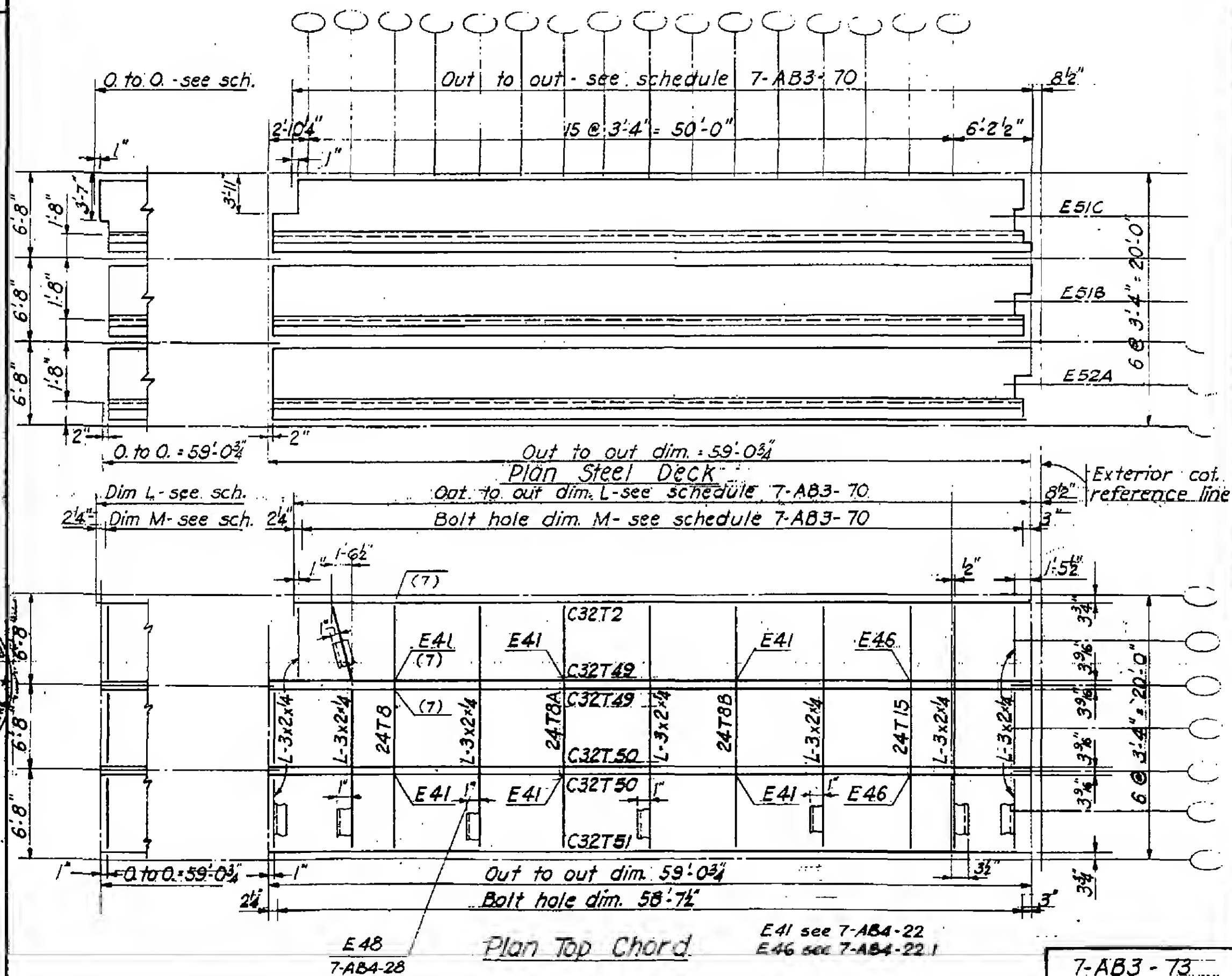
Bolt hole dimension M - see schedule 7-AB3-70

Exterior column
reference linePlan Top ChordE48
7AB4-28E 41A see 7-AB4-22
E46 see 7-AB4-22.1

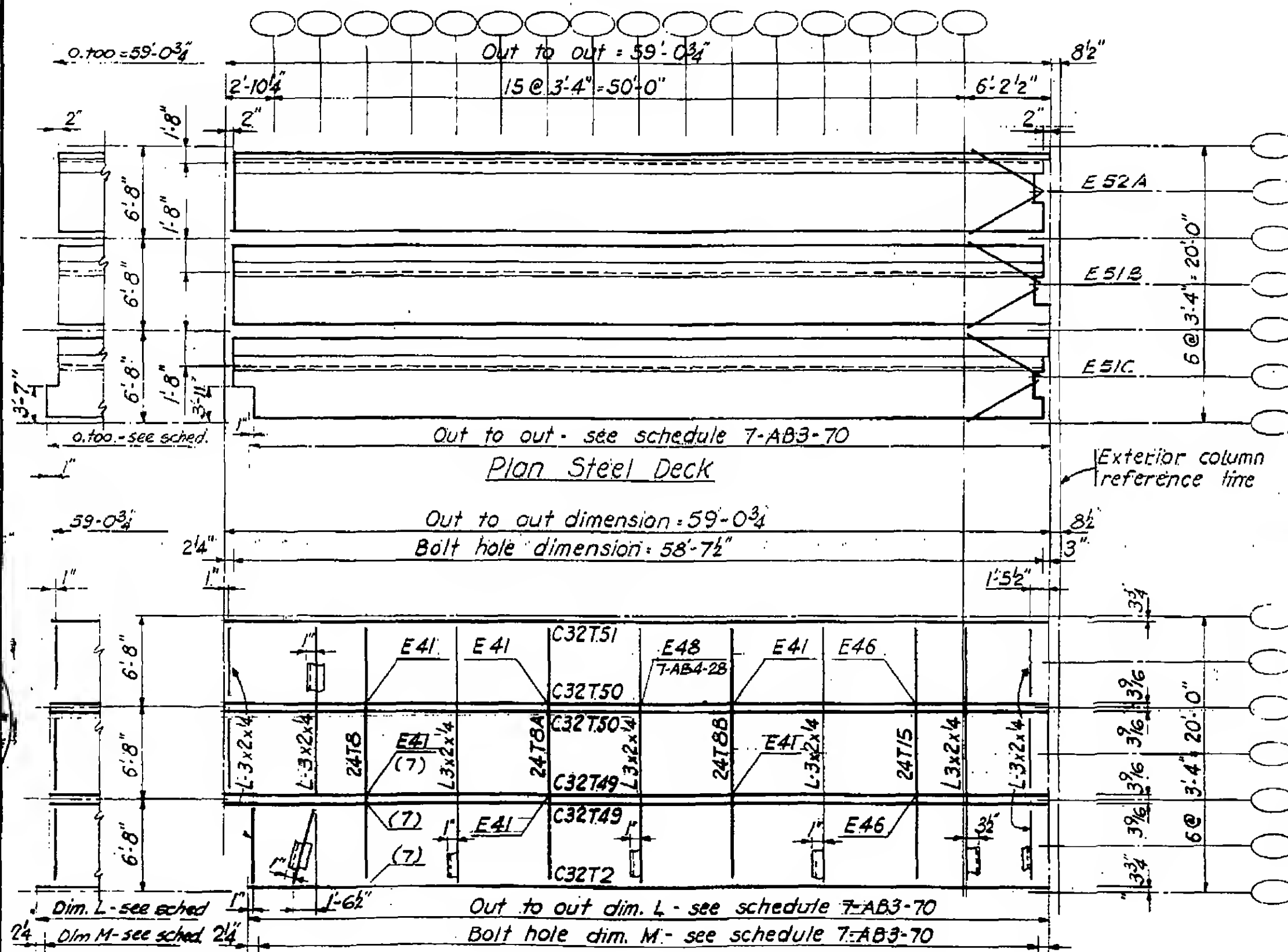
7-AB3-72



REVISIONS



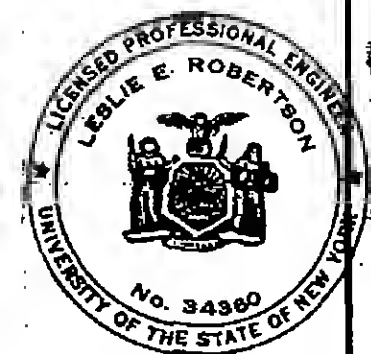
REVISIONS



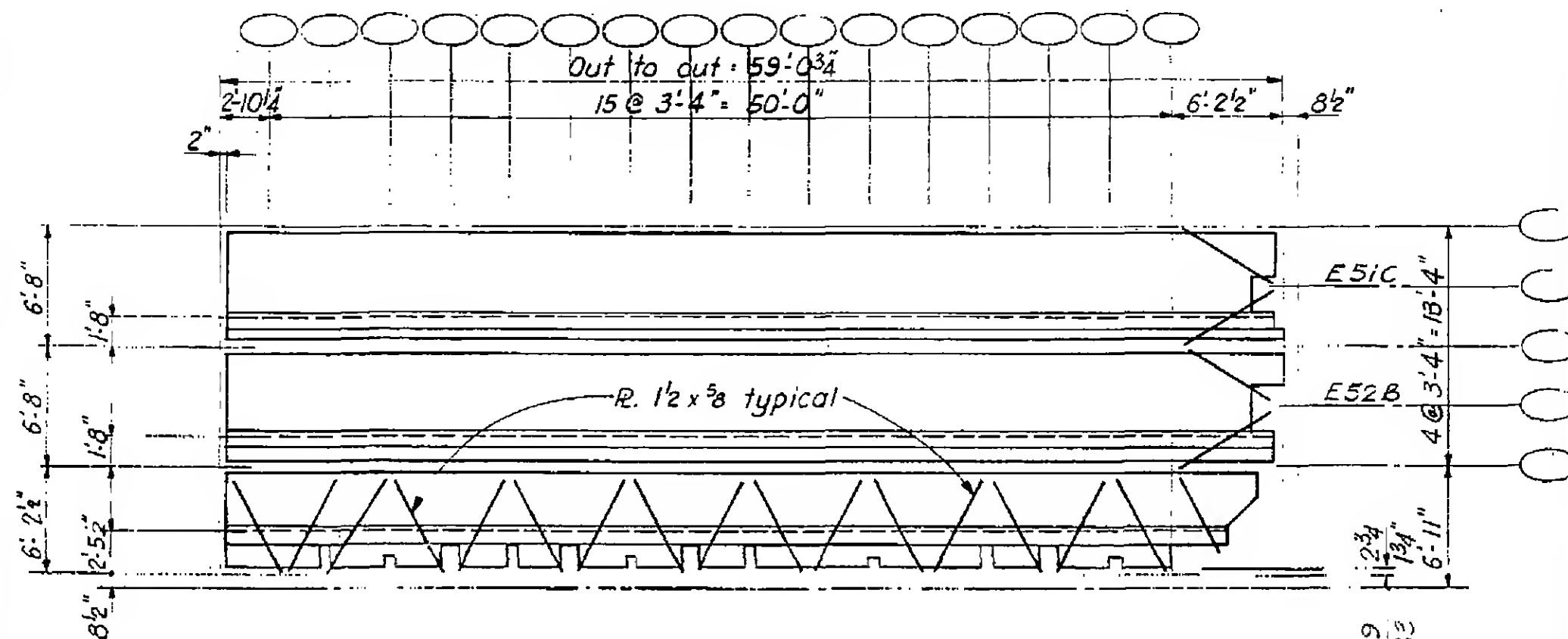
Pian Top Chord

E41 see 7-AB4-22
E46 see 7-AB4-22.

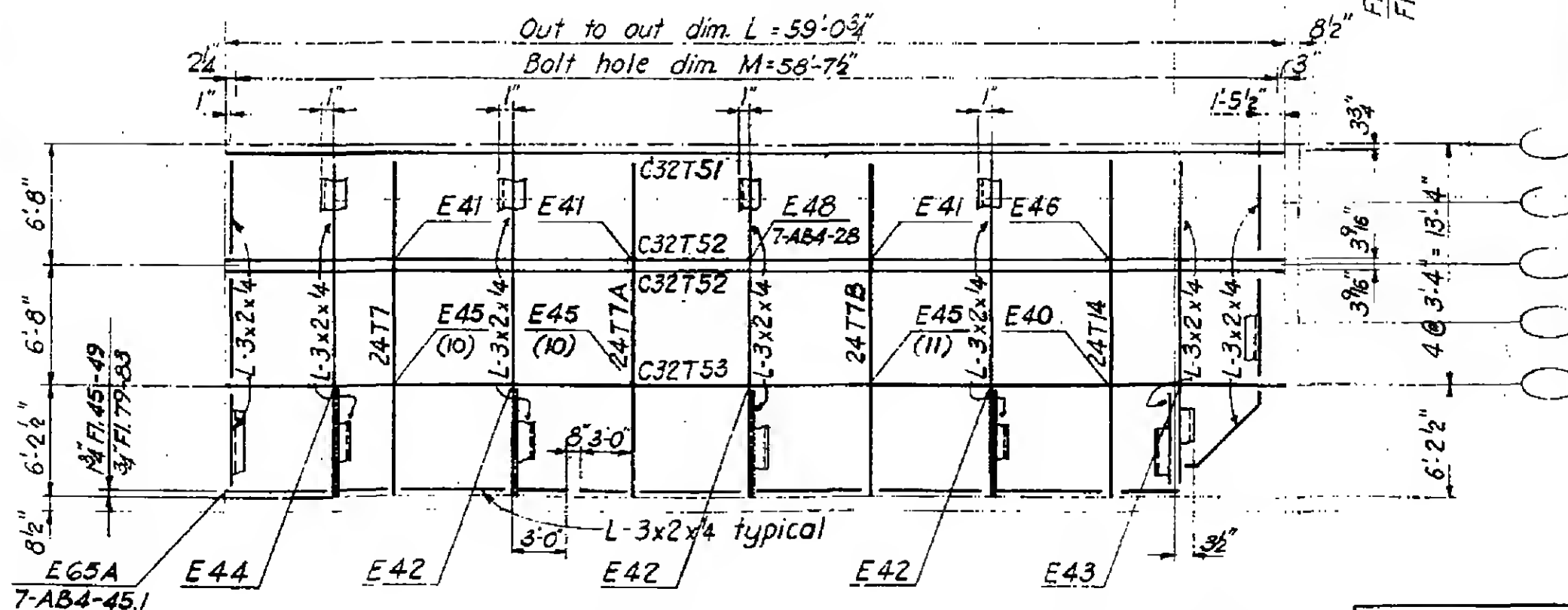
7-AB3-74



REVISIONS



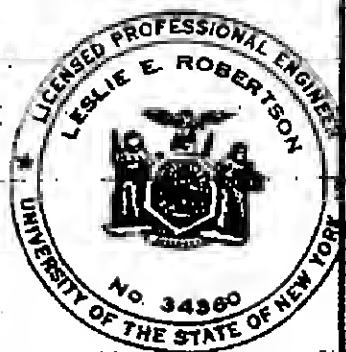
Plan Steel Deck



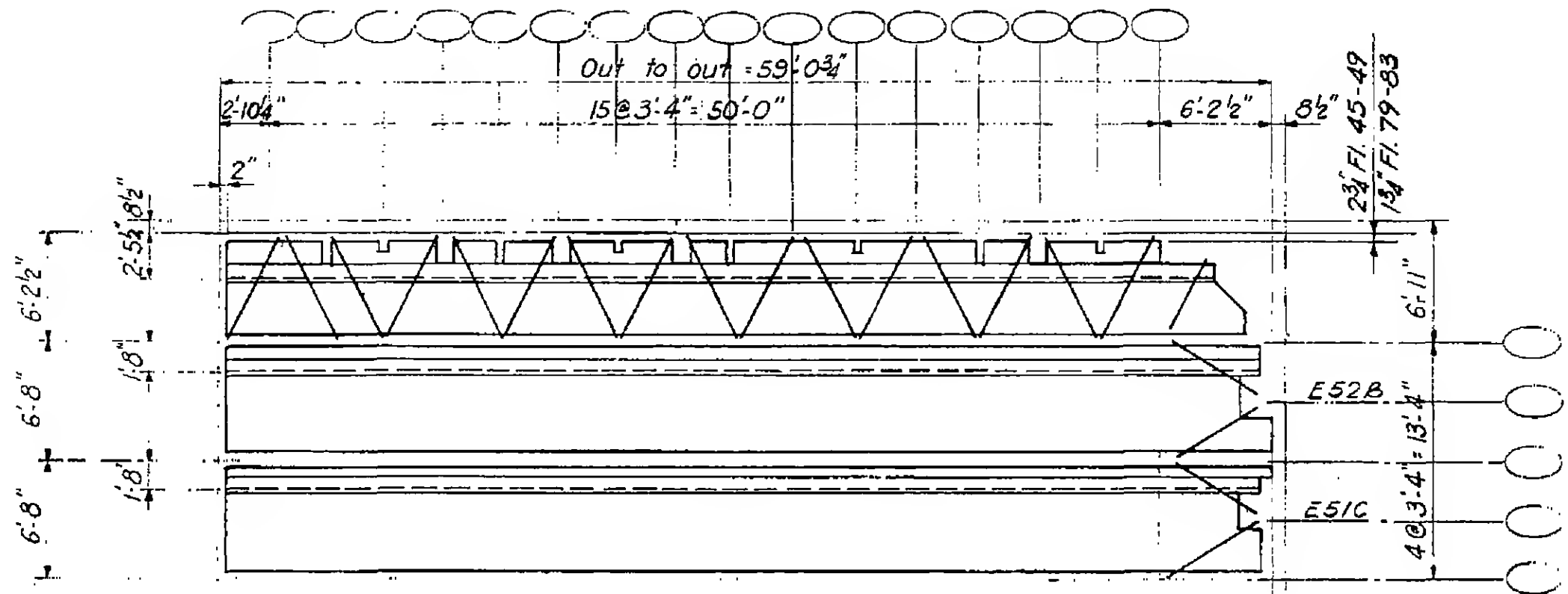
Plan Top Chord

E40-E46 see 7-AB4-21-25

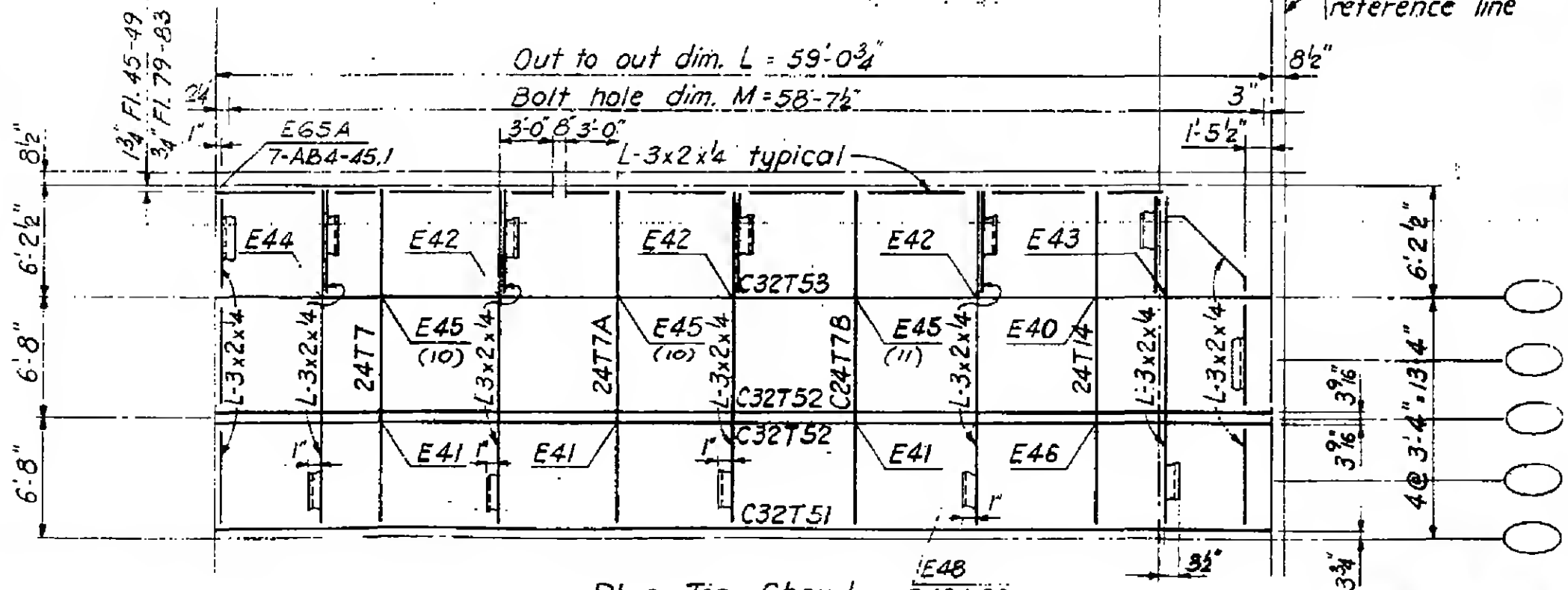
7-AB3-75



REVISIONS



Plan Steel Deck

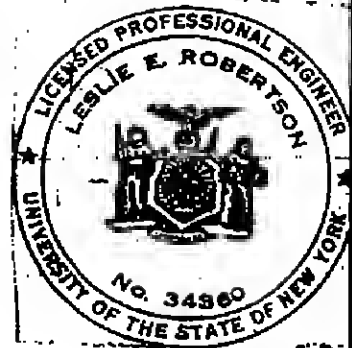


Plan Top Chord

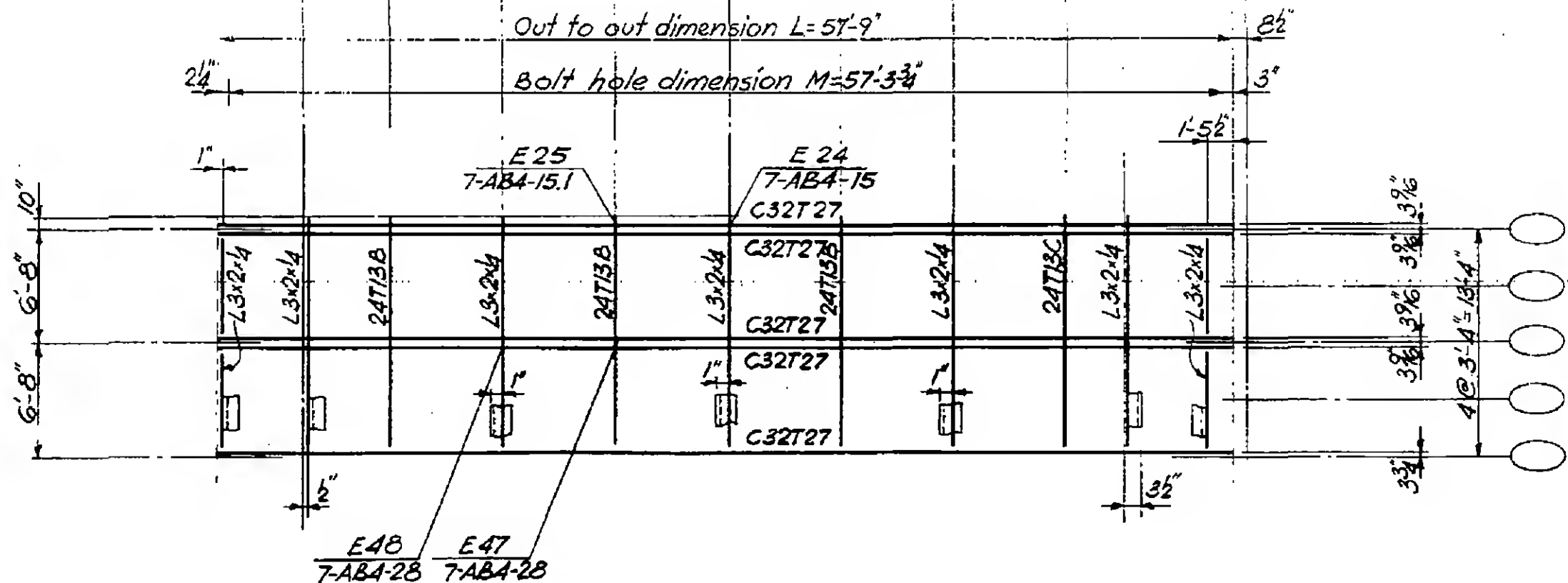
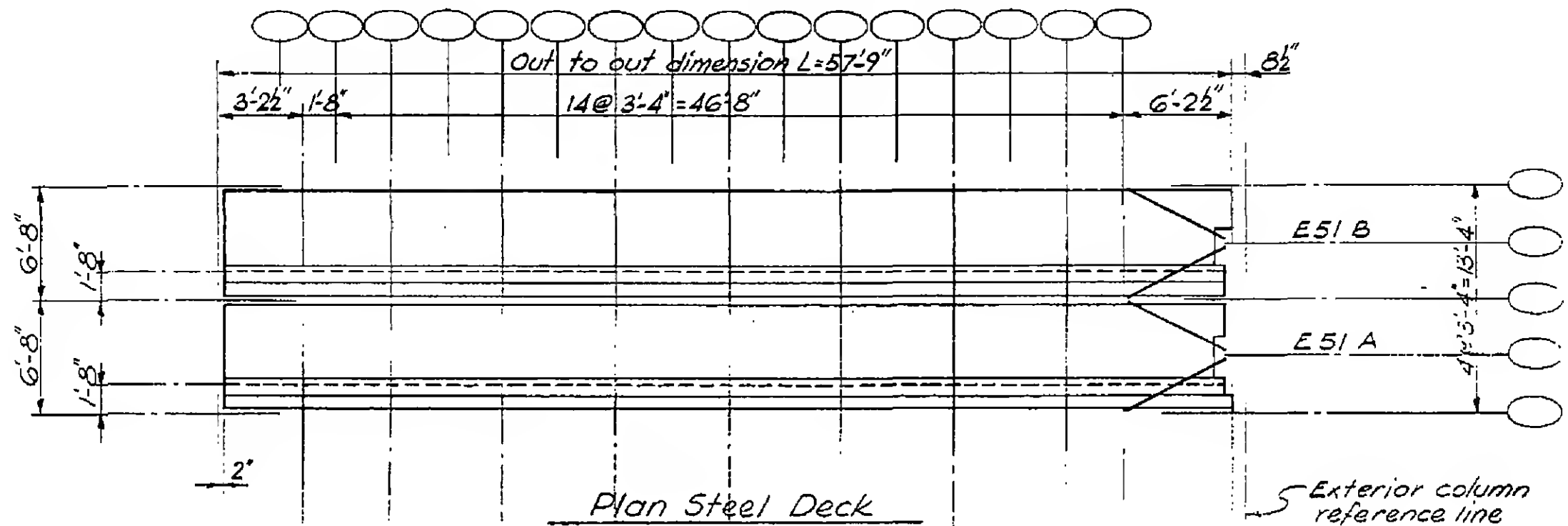
E48
7-AB4-28

E40-E46 see 7-AB4-21-25

7-AB3-76



REVISIONS



DESIGNED

DRAWN

REVIEWED

Plan Top Chord

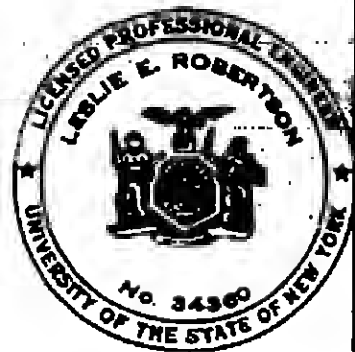
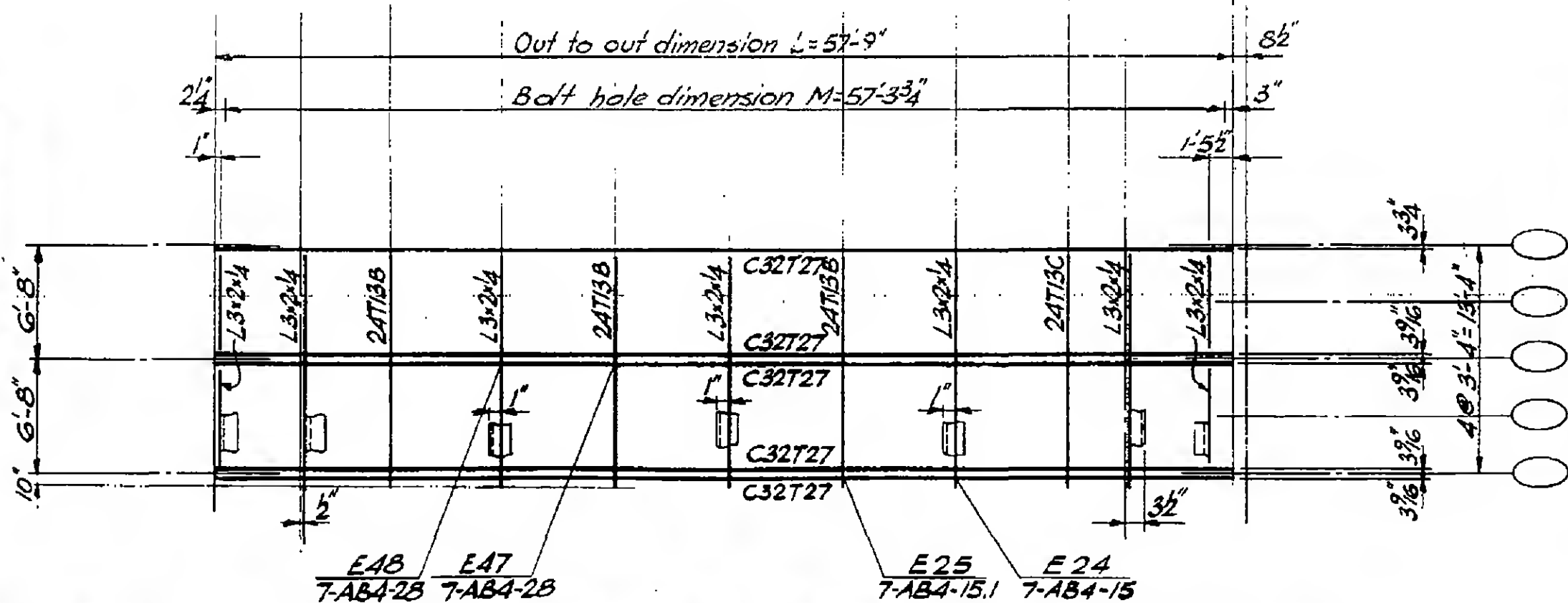
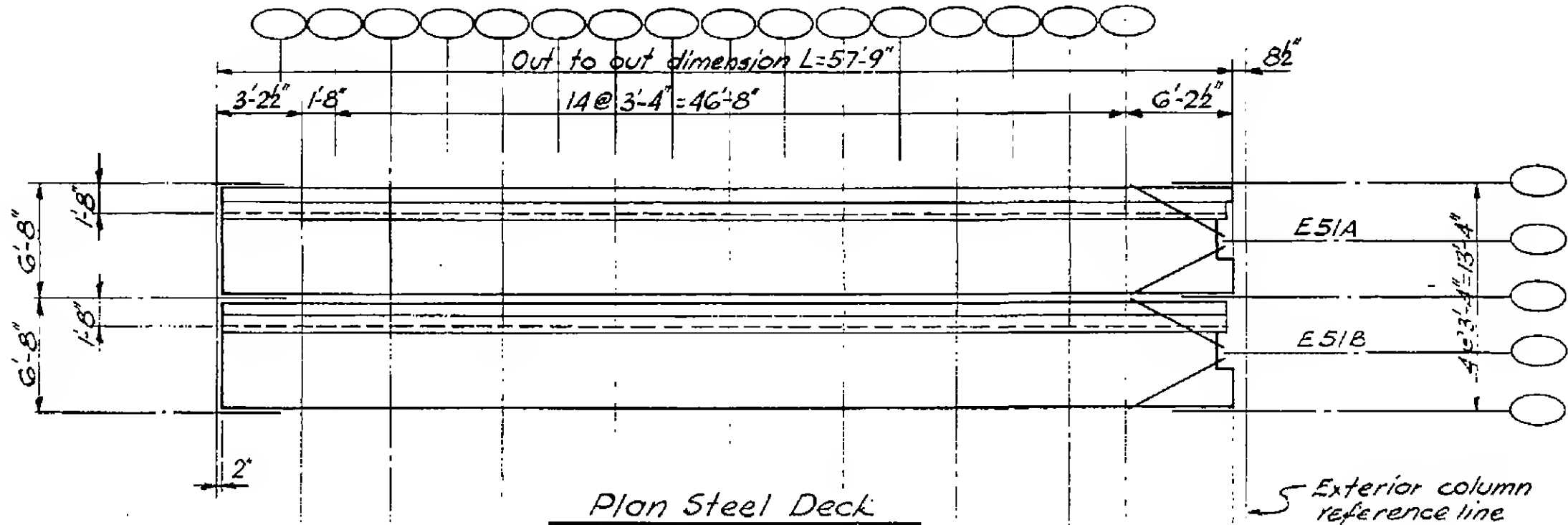
7-AB3-77

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL CRG

DATE 1-6-69

REVISIONS



DESIGNED

DRAWN

REVIEWED

7-AB3-78

PROJECT

THE WORLD TRADE CENTER

TITLE

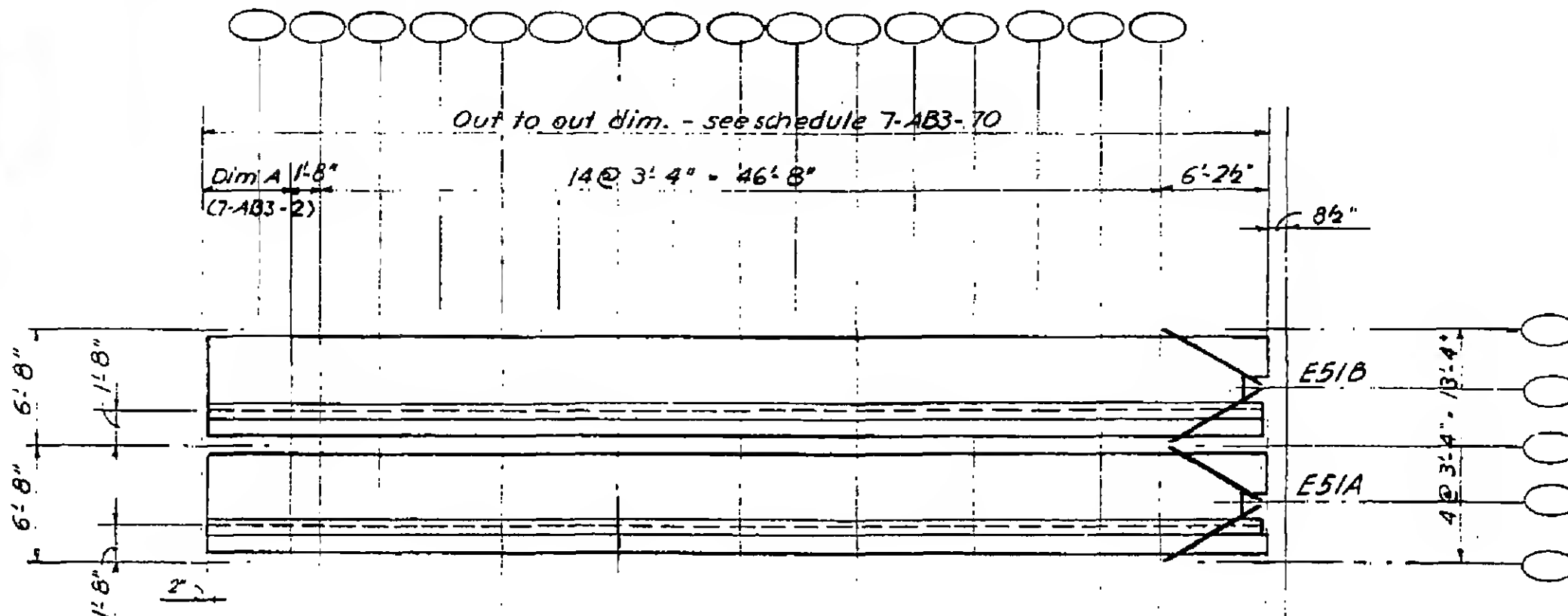
FLOOR PANEL C7

DATE

10-20-67

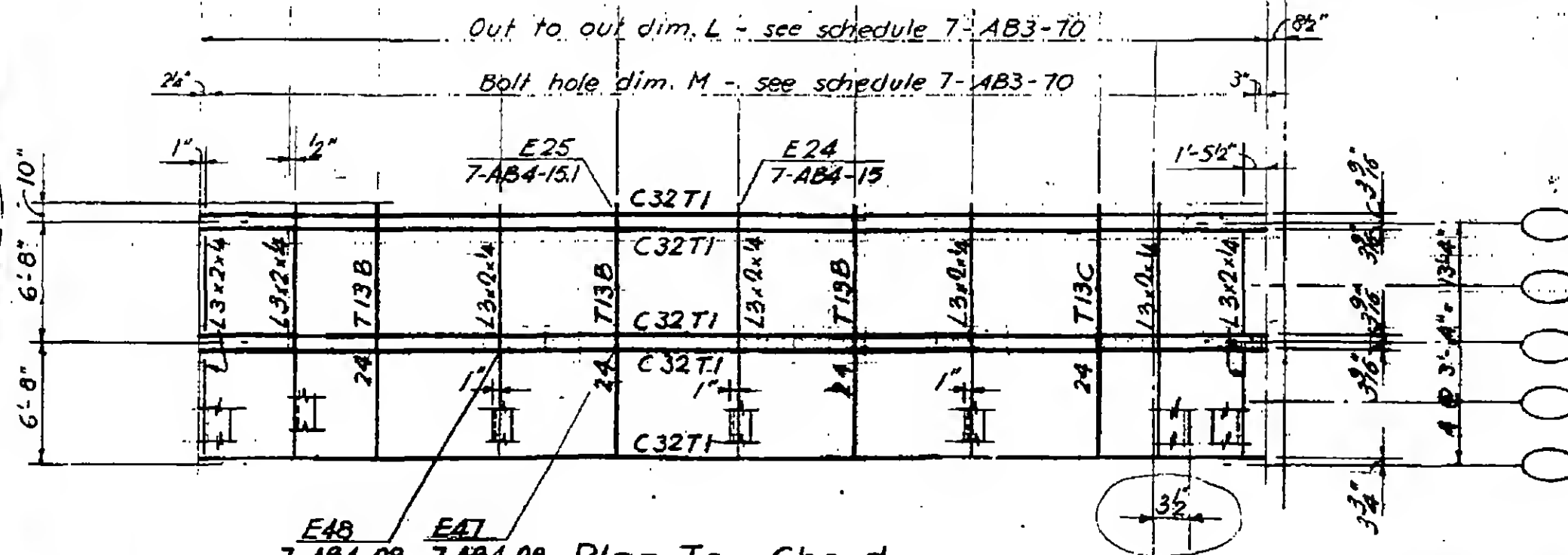
REVISIONS

3-68
2-15-68
4-1-68
7-22-68
10-15-68



Plan Steel Deck

Exterior column reference line

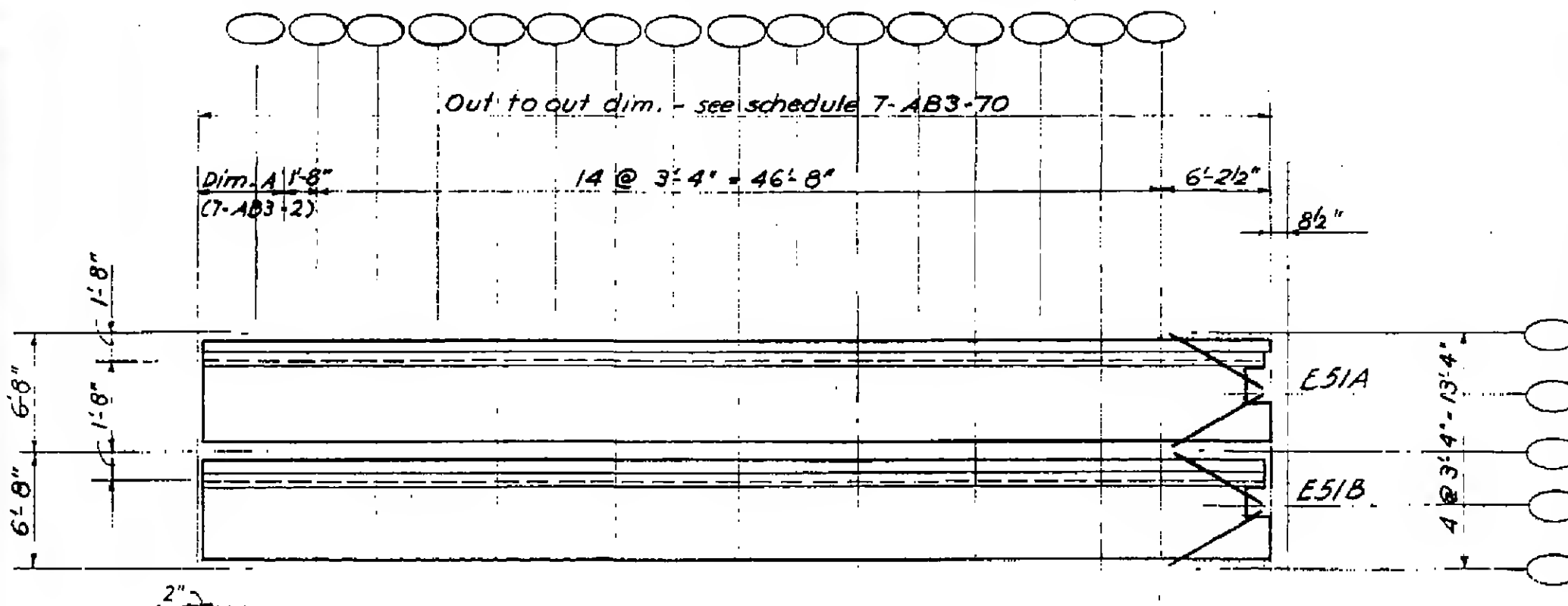


Plan Top Chord

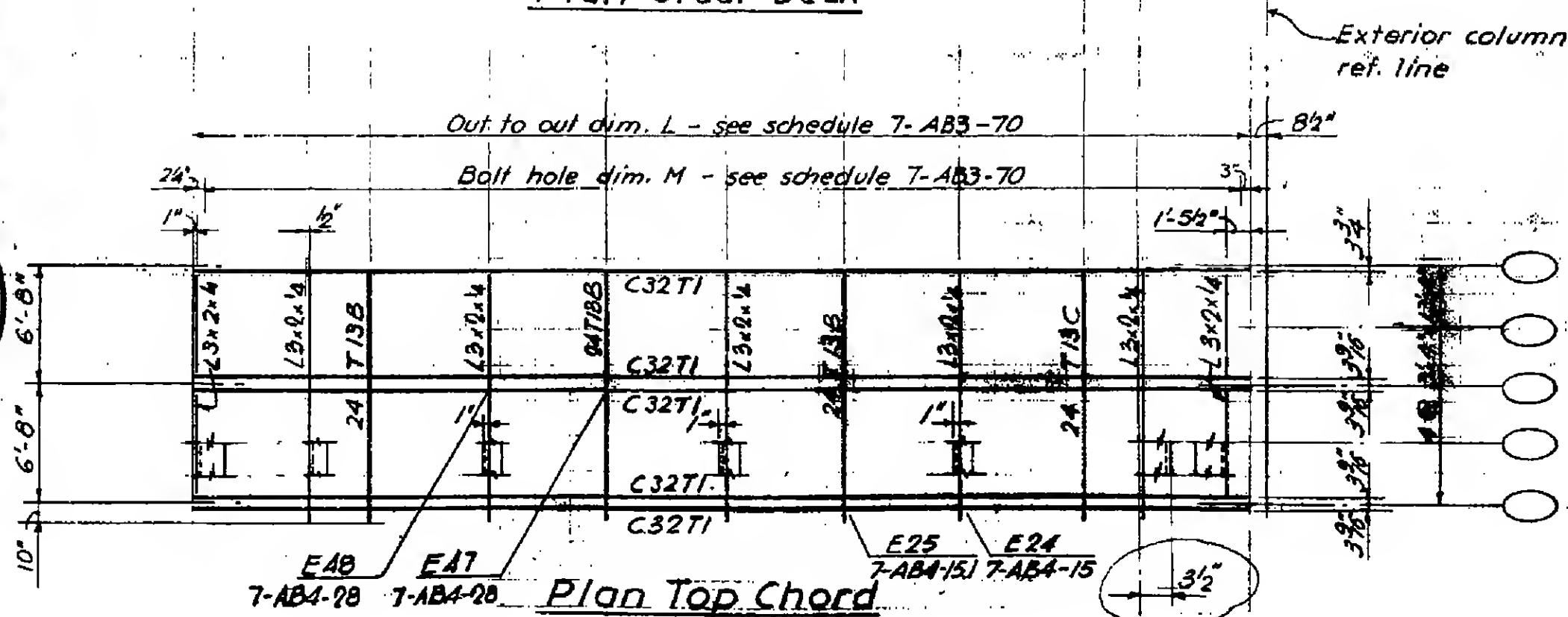


REVISIONS

1-3-68
2-15-68
4-1-68
7-22-68
10-15-68

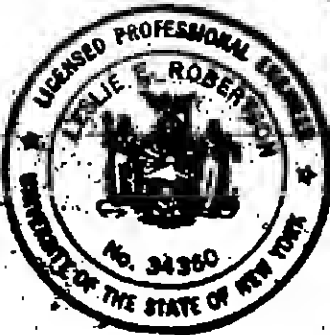


Plan Steel Deck



PROJECT	TITLE	DATE
THE WORLD TRADE CENTER	FLOOR PANEL DETAILS - INDEX & GENERAL NOTES	1-3-68
7-AB4- 1	Floor Panel Details, Index & General Notes	
7-AB4- 2	Schedule of Details - Tower A	
7-AB4- 2.1	Schedule of Details - Tower A	
7-AB4- 2.2	Schedule of Details - Tower B	
thru 2.4		
7-AB4- 3	Floor Panel - Detail E1-E3	
7-AB4- 3.1	Floor Panel - Detail E1-E4	
7-AB4- 4	Floor Panel - Detail E5 & E5A	
7-AB4- 5	Floor Panel - Detail E6	
7-AB4- 6	Floor Panel - Detail E6	
7-AB4- 7	Floor Panel - Detail E8	
7-AB4- 8	Floor Panel - Detail E9 & E9A	
7-AB4- 9	Floor Panel - Detail E10	
7-AB4-10	Floor Panel - Detail E11	
7-AB4-11	Floor Panel - Detail E12	
7-AB4-11.1	Floor Panel - Detail E12, E13	
7-AB4-11.2	Floor Panel - Detail E13	
7-AB4-11.3	Floor Panel - Detail E12, E13, E17, E-18	
7-AB4-12	Floor Panel - Detail E16	
7-AB4-13	Floor Panel - Detail E17	
7-AB4-13.1	Floor Panel - Detail E18	
7-AB4-13.2	Floor Panel - Detail E17 & E18	
7-AB4-14	Floor Panel - Detail E19, E21, E22	
7-AB4-14.1	Floor Panel - Detail E20	
7-AB4-15	Floor Panel - Detail E23, E24	
7-AB4-15.1	Floor Panel - Detail E25, E26, E26A	
15.2		
7-AB4-16	Floor Panel - Detail E27 & E27A	
7-AB4-17	Floor Panel - Detail E28 - E28E	
thru		
7-AB4-17.7		
7-AB4-18	Floor Panel - Detail E34, E35, E35A	
7-AB4-18.1	Floor Panel - Detail E30,	
7-AB4-18.2	Floor Panel - Detail E30, E34, E34A	
7-AB4-18.3	Floor Panel - Detail E34A	
7-AB4-18.4	Floor Panel - Detail E34B	
7-AB4-18.5	Floor Panel - Detail E31	
7-AB4-19	Floor Panel - Detail E38 & E39	
7-AB4-20	Not Used	
7-AB4-21	Floor Panel - Detail E40, E40A, E45, E45A	
7-AB4-22	Floor Panel - Detail E41, E41A, E41C - E41E	
7-AB4-22.1	Floor Panel - Detail E41B & E46	
7-AB4-23	Floor Panel - Detail E42	
7-AB4-24	Floor Panel - Detail E43	
7-AB4-25	Floor Panel - Detail E44	
7-AB4-26	Not Used	
7-AB4-27	Not Used	
7-AB4-28	Floor Panel - Detail E47 & E48	
7-AB4-28.1	Floor Panel - Detail E47A	
7-AB4-29	Floor Panel - Detail E 49 & E49A	
7-AB4-30	Floor Panel - Detail E50	
7-AB4-31,31.1,2	Floor Panel - Detail E51A, E51B, E51C, E51D, E52D	
7-AB4-32,32.1	Floor Panel - Detail E52A, E52B, E52C	
7-AB4-33	Floor Panel - Detail E53	
7-AB4-34,34.1	Floor Panel - Detail E54, E54A	
7-AB4-35	Floor Panel - Detail E55	
7-AB4-36	Floor Panel - Detail E56	
7-AB4-37	Floor Panel - Detail E57	
7-AB4-38	Floor Panel - Detail E58, E59, E60	
7-AB4-38.1	Floor Panel - Detail E58, E59, E59A	
& 38.2,38.3		
7-AB4-39	Floor Panel - Detail E60	
7-AB4-40	Floor Panel - Detail E61 - E67	
7-AB4-41	Floor Panel - Detail E68A	
7-AB4-41.1	Floor Panel - Detail E68	
7-AB4-42	Floor Panel - Detail E61 - E67	
7-AB4-42.1	Damper Connection - Detail E61 - E67	
7-AB4-43	Floor Panel - Detail E60, E68, E68A	
7-AB4-44	Floor Panel - Detail E61 - E67	
7-AB4-45,45.1	Floor Panel - Detail E65	
7-AB4-46	Floor Panel - Detail E60 & E68	
7-AB4-46.1	Floor Panel - Detail E68A	
7-AB4-47	Floor Panel - Detail E60 - E67	
7-AB4-47.1	Floor Panel - Detail E68 & E68A	
7-AB4-48	Floor Panel - Detail E61 - E64	
7-AB4-49	Floor Panel - Detail E60, E66, E67	
7-AB4-49.1	Floor Panel - Detail E68 & E68A	
7-AB4-49.2	Floor Panel - Detail E69	
7-AB4-50 thru	Floor Panel - Detail E70 thru E73	
7-AB4-52		
7-AB4-53	Floor Panel - Detail E74	
7-AB4-54	Floor Panel - Detail E75	
7-AB4-55	Floor Panel - Detail E75A	
7-AB4-56	Floor Panel - Detail E76	
7-AB4-57	Floor Panel - Detail E76	
7-AB4-58	Floor Panel - Detail E76A, E76B	
7-AB4-59	Floor Panel - Detail E76A, E76B, E77	
7-AB4-60	Floor Panel - Detail E76, E76A, E76B	
7-AB4-61	Floor Panel - Detail E77A	
7-AB4-62	Floor Panel - Detail E78, E79	
NOTES:	1. The Contractor shall detail all connections, erection aids and all else required for the fabrication, assembly and erection of the pre-fabricated floor panels. Steel deck and power/telephone cell details shall be done by the Contractor for WTC Contract 222.00 -- all other details by the Contractor for WTC Contract 221.00. Details shall incorporate the geometry requirements and specific detail requirements where indicated in Drawing Book 7. Details shall be proportioned to transmit the loads indicated in Drawing Book 7 and all other loads required for assembly and for erection.	
	2. The Contractor shall submit details to the Engineer for review prior to performing any work.	
		7-AB4-1

- NOTES: 1. The Contractor shall detail all connections, erection aids and all else required for the fabrication, assembly and erection of the pre-fabricated floor panels. Steel deck and power/telephone cell details shall be done by the Contractor for WTC Contract 222.00 -- all other details by the Contractor for WTC Contract 221.00. Details shall incorporate the geometry requirements and specific detail requirements where indicated in Drawing Book 7. Details shall be proportioned to transmit the loads indicated in Drawing Book 7 and all other loads required for assembly and for erection.
2. The Contractor shall submit details to the Engineer for review prior to performing any work.



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR PANEL DETAIL SCHEDULE - TOWER A

DATE

10-20-67

REVISIONS

1-3-68
7-22-68
1-6-69

No.	Floor	Detail	Ref. dwg.	No.	Floor	Detail	Ref. dwg.	No.	Floor	Detail	Ref. dwg.
①	10-38	E 6	7-AB4-5	⑤	10-40	E 17	7-AB4-13	⑨	10-24	E 16	7-AB4-12
	39, 40	E 6	7-AB4-5		44	E 22	7-AB4-14		25	E 11	7-AB4-10
	44-46	E 10	7-AB4-8		45-49	E 21	7-AB4-14		26-40	E 16	7-AB4-12
	47-49	E 9	7-AB4-8		50-74	E 17	7-AB4-13		44-49	E 20	7-AB4-14.1
	50-74	E 6	7-AB4-5		78	E 22	7-AB4-14		50-58	E 16	7-AB4-12
	78, 79	E 9A	7-AB4-8		79	E 21	7-AB4-14		59	E 11	7-AB4-10
	80-106	E 6	7-AB4-5		80-106	E 17	7-AB4-13		60-74	E 16	7-AB4-12
②	10-38	E 6	7-AB4-5	⑥	10-40	E 12	7-AB4-11	⑩	78-79	E 20	7-AB4-14.1
	39, 40	E 6	7-AB4-5		44	E 22	7-AB4-14		80-91	E 16	7-AB4-12
	44-46	E 10	7-AB4-8		45-49	E 21	7-AB4-14		92	E 11	7-AB4-10
	47-49	E 9	7-AB4-8		50-66	E 12	7-AB4-11		93-106	E 16	7-AB4-12
	50-74	E 6	7-AB4-5		67	E 12	7-AB4-11		Same	as ⑤ except	
	78	E 9A	7-AB4-8		68-74	E 12	7-AB4-11		79	E 17	7-AB4-13
	79-106	E 6	7-AB4-5		78	E 22	7-AB4-14		Same	as ⑥ except	
③	10-38	E 6	7-AB4-5	⑦	79	E 21	7-AB4-14	⑪	79	E 12	7-AB4-11
	39, 40	E 6	7-AB4-5		80-106	E 12	7-AB4-11		Same	as ⑦ except	
	44, 45	E 10	7-AB4-8		10-40	E 18	7-AB4-13.1		79	E 18	7-AB4-13.1
	46	E 8	7-AB4-7		44-49	E 19	7-AB4-14		Same	as ⑧ except	
	47-71	E 6	7-AB4-5		50-74	E 18	7-AB4-13.1		79	E 13	7-AB4-11.2
	72-74	E 8	7-AB4-7		78, 79	E 19	7-AB4-14		Same	as ⑨ except	
	78-80	E 10	7-AB4-8		80-106	E 18	7-AB4-13.1		79	E 16	7-AB4-12
④	81-83	E 9A	7-AB4-8	⑧	10-24	E 13	7-AB4-11.2	⑮	10-40	E 17	7-AB4-13
	84-106	E 6	7-AB4-5		25	E 13	7-AB4-11.2		44	E 22	7-AB4-14
	10, 11	E 6	7-AB4-5		26-40	E 13	7-AB4-11.2		45	E 21	7-AB4-14
	12-38	E 6	7-AB4-5		44-49	E 21	7-AB4-14		46-74	E 17	7-AB4-13
	39	E 6	7-AB4-5		50-58	E 13	7-AB4-11.2		78	E 22	7-AB4-14
	40	E 8	7-AB4-7		59	E 13	7-AB4-11.2		79-83	E 21	7-AB4-14
	44	E 10	7-AB4-8		60-66	E 13	7-AB4-11.2		84-106	E 17	7-AB4-13
	45, 46	E 8	7-AB4-7		67	E 13	7-AB4-11.2				
	47-71	E 6	7-AB4-5		68-74	E 13	7-AB4-11.2				
	72-74	E 8	7-AB4-7		78-79	E 21	7-AB4-14				
	78-80	E 10	7-AB4-8		80-91	E 13	7-AB4-11.2				
	81-83	E 9A	7-AB4-8		92	E 13	7-AB4-11.2				
	84-106	E 6	7-AB4-5		93-106	E 13	7-AB4-11.2				



7-AB4-2

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL SCHEDULE-TOWER A

DATE 10-20-67

REVISIONS

1-3-68
7-22-68
1-6-69

No.	Floor	Detail	Ref. Dwg.	No.	Floor	Detail	Ref. Dwg.	No.	Floor	Detail	Ref. Dwg.
(16)	10-40	E12	7-AB4-11	(20)	Same as (15) except			(29)	10-40	E30	7-AB4-18.1
	44	E22	7-AB4-14		45	E17	7-AB4-13		44	E31	7-AB4-18.5
	45	E21	7-AB4-14	(21)	Same as (16) except				45	E30	7-AB4-18.1
	46-66	E12	7-AB4-11		45	E12	7-AB4-11		46-66	E30	7-AB4-18.1
	67	E12	7-AB4-11	(22)	Same as (17) except				67	E30	7-AB4-18.1
	68-74	E12	7-AB4-11		45	E18	7-AB4-13.1		68-74	E30	7-AB4-18.1
	78	E22	7-AB4-14	(23)	Same as (18) except				78	E31	7-AB4-18.5
	79-83	E21	7-AB4-14		45	E13	7-AB4-11.2		79-83	E30	7-AB4-18.1
	84-106	E12	7-AB4-11	(24)	Same as (19) except				84-106	E30	7-AB4-18.1
(17)	10-40	E18	7-AB4-13.1		45	E16	7-AB4-12	(30)	10-40	E34	7-AB4-18
	44, 45	E19	7-AB4-14	(25)	10-40	E30	7-AB4-18.1		44	E35	7-AB4-18
	46-74	E18	7-AB4-13.1		44	E31	7-AB4-18.5		45	E34	7-AB4-18
	78-83	E19	7-AB4-14		45-49	E30	7-AB4-18.1		46-66	E34	7-AB4-18
	84-106	E18	7-AB4-13.1		50-66	E30	7-AB4-18.1		67	E34	7-AB4-18
(18)	10-24	E13	7-AB4-11.2		67	E30	7-AB4-18.1		68-74	E34	7-AB4-18
	25	E13	7-AB4-11.2		68-74	E30	7-AB4-18.1		78	E35	7-AB4-18
	26-40	E13	7-AB4-11.2		78	E31	7-AB4-18.5		79-83	E34	7-AB4-18
	44, 45	E21	7-AB4-14		79	E30	7-AB4-18.1		84-106	E34	7-AB4-18
	46-58	E13	7-AB4-11.2		80-106	E30	7-AB4-18.1	(31)	Same as (29) except		
	59	E13	7-AB4-11.2	(26)	10-40	E34	7-AB4-18		45	E30	7-AB4-18.1
	60-66	E13	7-AB4-11.2		44	E35A	7-AB4-18	(32)	Same as (30) except		
	67	E13	7-AB4-11.2		45-49	E34	7-AB4-18		45	E34	7-AB4-18
	68-74	E13	7-AB4-11.2		50-66	E34	7-AB4-18				
	78-83	E21	7-AB4-14		67	E34	7-AB4-18				
	84-91	E13	7-AB4-11.2		68-74	E34	7-AB4-18				
	92	E13	7-AB4-11.2		78	E35	7-AB4-18				
	93-106	E13	7-AB4-11.2		79	E34	7-AB4-18				
(19)	10-24	E16	7-AB4-12		80-106	E34	7-AB4-18				
	25	E11	7-AB4-10	(27)	Same as (29)						
	26-40	E16	7-AB4-12								
	44, 45	E20	7-AB4-14.1	(28)	Same as (26) except						
	46-58	E16	7-AB4-12								
	59	E11	7-AB4-10		44	E35	7-AB4-18				
	60-74	E16	7-AB4-12								
	78-83	E20	7-AB4-14.1								
	84-91	E16	7-AB4-12								
	92	E11	7-AB4-10								
	93-106	E16	7-AB4-12								

7-AB4-2.1



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL SCHEDULE - TOWER B

DATE 10-20-67

REVISIONS

1-3-68
7-22-68
10-4-68
1-6-69

NO.	Floor	Detail	Ref. dwg.	NO.	Floor	Detail	Ref. dwg.	No.	Floor	Detail	Ref. dwg.
①	10	Hold		④	10	Hold		⑦	10	Hold	
	11	Hold			11	Hold			11	Hold	
	12	Hold			12	Hold			12	Hold	
	13	Hold			13	Hold			13	Hold	
	14-38	E6	7-AB4-5		14-38	E6	7-AB4-5		14-40	E18	7-AB4-13.1
	39-40	E6	7-AB4-5		39	E6	7-AB4-5		44-49	E19	7-AB4-14
	44-46	E10	7-AB4-8		40	E8	7-AB4-7		50-74	E18	7-AB4-13.1
	47-49	E9	7-AB4-8		44	E10	7-AB4-8		78-79	E19	7-AB4-14
	50-74	E6	7-AB4-5		45-46	E8	7-AB4-7		80-106	E18	7-AB4-13.1
78-79	E9A	7-AB4-8	47-71	E6	7-AB4-5	⑧	10	Hold			
80-106	E6	7-AB4-5	72-74	E8	7-AB4-7		11	Hold			
②	10	Hold		78-80	E10		7-AB4-8	12	Hold		
	11	Hold		81-83	E9A		7-AB4-8	13	Hold		
	12	Hold		84-106	E6		7-AB4-5	14-24	E13	7-AB4-11.2	
	13	Hold		⑤	10		Hold	25	E13	7-AB4-11.2	
	14-38	E6	7-AB4-5		11		Hold	26-40	E13	7-AB4-11.2	
	39,40	E6	7-AB4-5		12		Hold	44-49	E21	7-AB4-14	
	44-46	E10	7-AB4-8		13		Hold	50-58	E13	7-AB4-11.2	
	47-49	E9	7-AB4-8		14-40	E17	7-AB4-13	59	E13	7-AB4-11.2	
	50-74	E6	7-AB4-5		44	E22	7-AB4-14	60-74	E13	7-AB4-11.2	
78	E9A	7-AB4-8	45-49		E21	7-AB4-14	78-79	E21	7-AB4-14		
79-106	E6	7-AB4-5	50-74		E17	7-AB4-13	80-91	E13	7-AB4-11.2		
③	10	Hold			78	E22	7-AB4-14	92	E13	7-AB4-11.2	
	11	Hold		79	E21	7-AB4-14	93-106	E13	7-AB4-11.2		
	12	Hold		80-106	E17	7-AB4-13					
	13	Hold		⑥	10	Hold					
	14-38	E6	7-AB4-5		11	Hold					
	39,40	E6	7-AB4-5		12	Hold					
	44,45	E10	7-AB4-8		13	Hold					
	46	E8	7-AB4-7		14-40	E12	7-AB4-11				
	47-71	E6	7-AB4-5		44	E22	7-AB4-14				
72-74	E8	7-AB4-7	45-49		E21	7-AB4-14					
78-80	E10	7-AB4-8	50-74		E12	7-AB4-11					
81-83	E9A	7-AB4-8	78		E22	7-AB4-14					
84-106	E6	7-AB4-5	79	E21	7-AB4-14						
				80-106	E12	7-AB4-11					

7-AB4-2.2



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT: THE WORLD TRADE CENTER

TITLE: FLOOR PANEL DETAIL SCHEDULE - TOWER B

DATE: 10-20-67

REVISIONS

1-3-68
7-22-68
10-4-68
1-6-69

No.	Floor	Detail	Ref. dwg.	No.	Floor	Detail	Ref. dwg.	No.	Floor	Detail	Ref. dwg.
⑨	10	Hold		⑩	10	Hold		⑪	10	Hold	
	11	Hold			11	Hold			11	Hold	
	12	Hold			12	Hold			12	Hold	
	13	Hold			13	Hold			13	Hold	
	14-24	E16	7-AB4-12		14-40	E12	7-AB4-11		14-24	E16	7-AB4-12
	25	E11	7-AB4-10		44	E22	7-AB4-14		25	E11	7-AB4-10
	26-40	E16	7-AB4-12		45	E21	7-AB4-14		26-40	E16	7-AB4-12
	44-49	E20	7-AB4-14.1		46-74	E12	7-AB4-11		44-45	E20	7-AB4-14.1
	50-58	E16	7-AB4-12		78	E22	7-AB4-14		46-58	E16	7-AB4-12
	59	E11	7-AB4-10		79-83	E21	7-AB4-14		59	E11	7-AB4-10
	60-74	E16	7-AB4-12		84-106	E12	7-AB4-11		60-74	E16	7-AB4-12
	78-79	E20	7-AB4-14.1	⑫	10	Hold			78-83	E20	7-AB4-14.1
	80-91	E16	7-AB4-12		11	Hold			84-91	E16	7-AB4-12
	92	E11	7-AB4-10		12	Hold			92	E11	7-AB4-10
	93-106	E16	7-AB4-12		13	Hold			93-106	E16	7-AB4-12
⑩	Same as ⑤ except				14-40	E18	7-AB4-13.1	⑬	Same as ⑩ except		
	79	E17	7-AB4-13		44-45	E19	7-AB4-14		45	E17	7-AB4-13
⑪	Same as ⑥ except				46-74	E18	7-AB4-13.1	⑭	Same as ⑪ except		
	79	E12	7-AB4-11		78-83	E19	7-AB4-14		45	E12	7-AB4-11
⑫	Same as ⑦ except				84-106	E18	7-AB4-13.1	⑮	Same as ⑫ except		
	79	E18	7-AB4-13.1	⑯	10	Hold			45	E18	7-AB4-13.1
⑬	Same as ⑧ except				11	Hold		⑰	Same as ⑬ except		
	79	E13	7-AB4-11.2		12	Hold			45	E13	7-AB4-11.2
⑭	Same as ⑨ except				13	Hold		⑱	Same as ⑭ except		
	79	E16	7-AB4-12		14-24	E13	7-AB4-11.2		45	E16	7-AB4-12
⑮	10	Hold			25	E13	7-AB4-11.2	⑲	10	Hold	
	11	Hold			26-40	E13	7-AB4-11.2		11	Hold	
	12	Hold			44,45	E21	7-AB4-14		12	Hold	
	13	Hold			46-58	E13	7-AB4-11.2		13	Hold	
	14-40	E17	7-AB4-13		59	E13	7-AB4-11.2		14-40	E30	7-AB4-18.1
	44	E22	7-AB4-14		60-74	E13	7-AB4-11.2		44	E31	7-AB4-18.5
	45	E21	7-AB4-14		78-83	E21	7-AB4-14		45-49	E30	7-AB4-18.1
	46-74	E17	7-AB4-13		84-91	E13	7-AB4-11.2		50-74	E30	7-AB4-18.1
	78	E22	7-AB4-14		92	E13	7-AB4-11.2		78	E31	7-AB4-18.5
	79-83	E21	7-AB4-14		93-106	E13	7-AB4-11.2		79	E30	7-AB4-18.1
	84-106	E17	7-AB4-13						80-106	E30	7-AB4-18.1

7-AB4-2.3



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT ~~THE WORLD TRADE CENTER~~

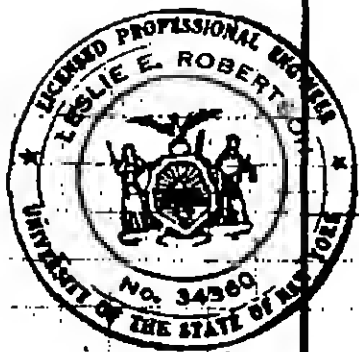
TITLE FLOOR PANEL DETAIL SCHEDULE TOWER B

DATE 10-27-67

REVISIONS

1-3-68
7-22-68
8-15-68
1-6-69

No.	Floor	Detail	Ref. dwg.	No.	Floor	Detail	Ref. dwg.
(26)	10	Hold		(30)	10	Hold	
	11	Hold			11	Hold	
	12	Hold			12	Hold	
	13	Hold			13	Hold	
	14-24, 26-40	E34	7-AB4-18		14-40	E34	7-AB4-18
	25	E34B	7-AB4-18.4		44	E35	7-AB4-18
	44	E35	7-AB4-18		45	E34	7-AB4-18
	45-49	E34	7-AB4-18		46-74	E34	7-AB4-18
	50-58, 60-74	E34	7-AB4-18		78	E35	7-AB4-18
	59	E34B	7-AB4-18.4		79-83	E34	7-AB4-18
	78	E35	7-AB4-18		84-106	E34	7-AB4-18
	79	E34	7-AB4-18				
	80-91, 93-106	E34	7-AB4-18				
	92	E34B	7-AB4-18.4				
(27)	Same as (25) except			(31)	Same as (29) except		
	79	E30	7-AB4-18.1		45	E30	7-AB4-18.1
(28)	Same as (26) except			(32)	10	Hold	
	25, 59, 79, 92	E34	7-AB4-18		11	Hold	
(29)	10	Hold			12	Hold	
	11	Hold			13	Hold	
	12	Hold			14-24	E34	7-AB4-18
	13	Hold			25	E34B	7-AB4-18.4
	14-40	E30	7-AB4-18.1		26-40	E34	7-AB4-18
	44	E31	7-AB4-18.5		44	E35	7-AB4-18
	45	E30	7-AB4-18		45	E34	7-AB4-18
	46-74	E30	7-AB4-18.1		46-58, 60-74	E34	7-AB4-18
	78	E31	7-AB4-18.5		78	E35	7-AB4-18
	79-83	E30	7-AB4-18.1		79-83	E34	7-AB4-18
	84-106	E30	7-AB4-18.1		84-91, 93-106	E34	7-AB4-18
					59, 92	E34B	7-AB4-18.4

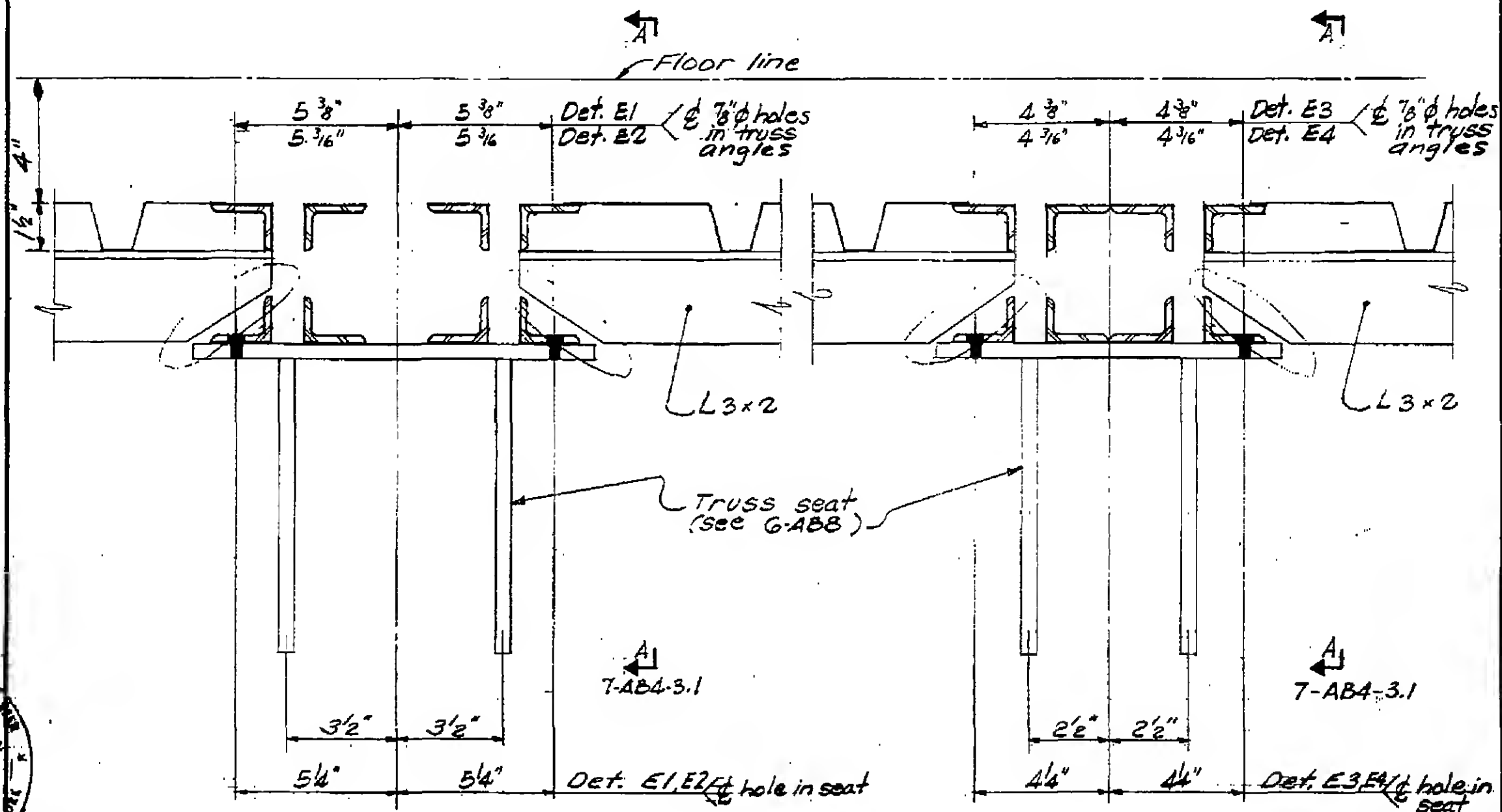


7-AB4-2.4

REVISIONS

1-3-68

10-15-68



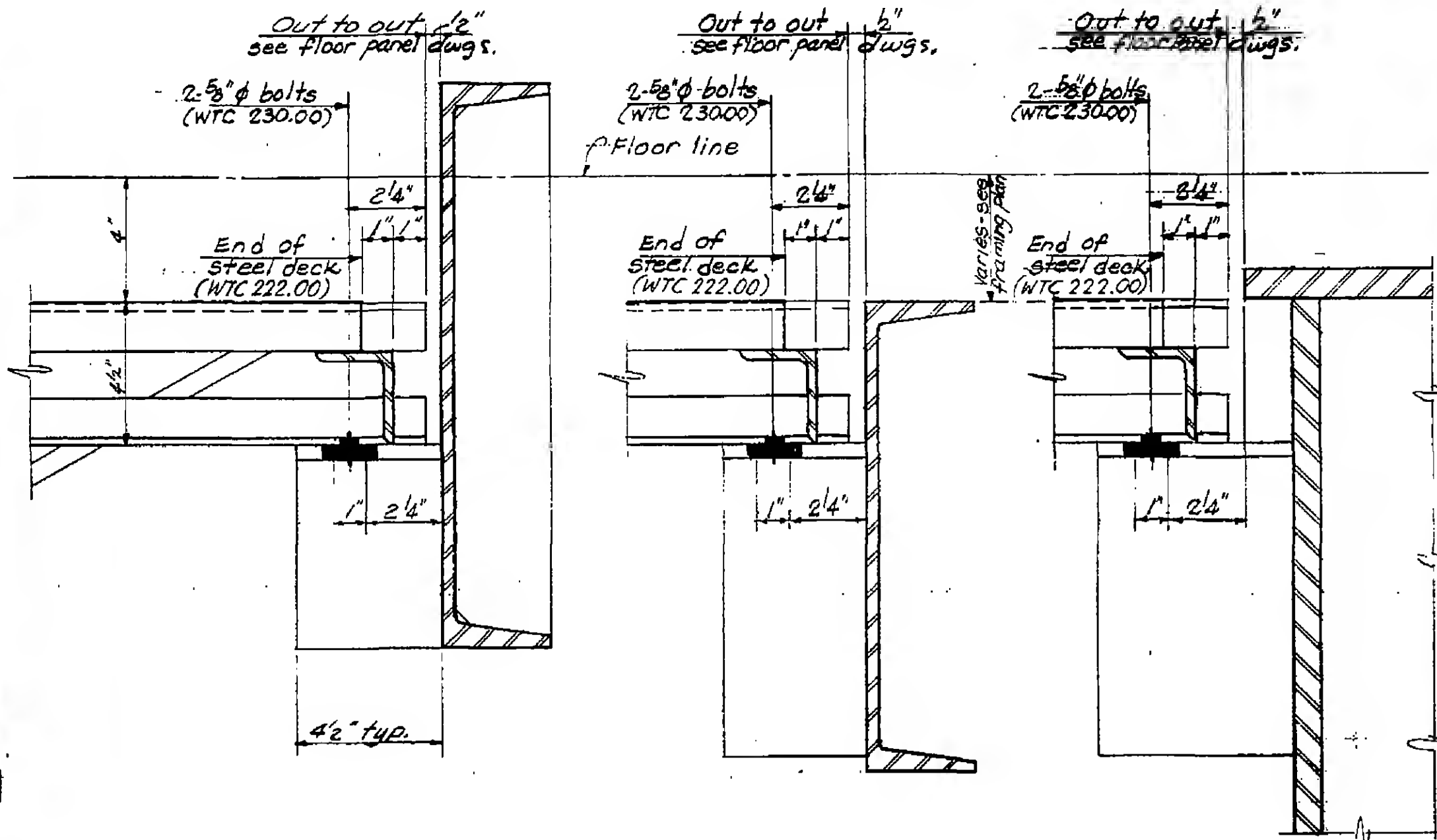
PROJECT THE WORLD TRADE CENTER

TITLE DETAIL E1, E2, E3, E4, E5, E5A, E6

DATE 10-20-67

REVISIONS

1-3-68



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

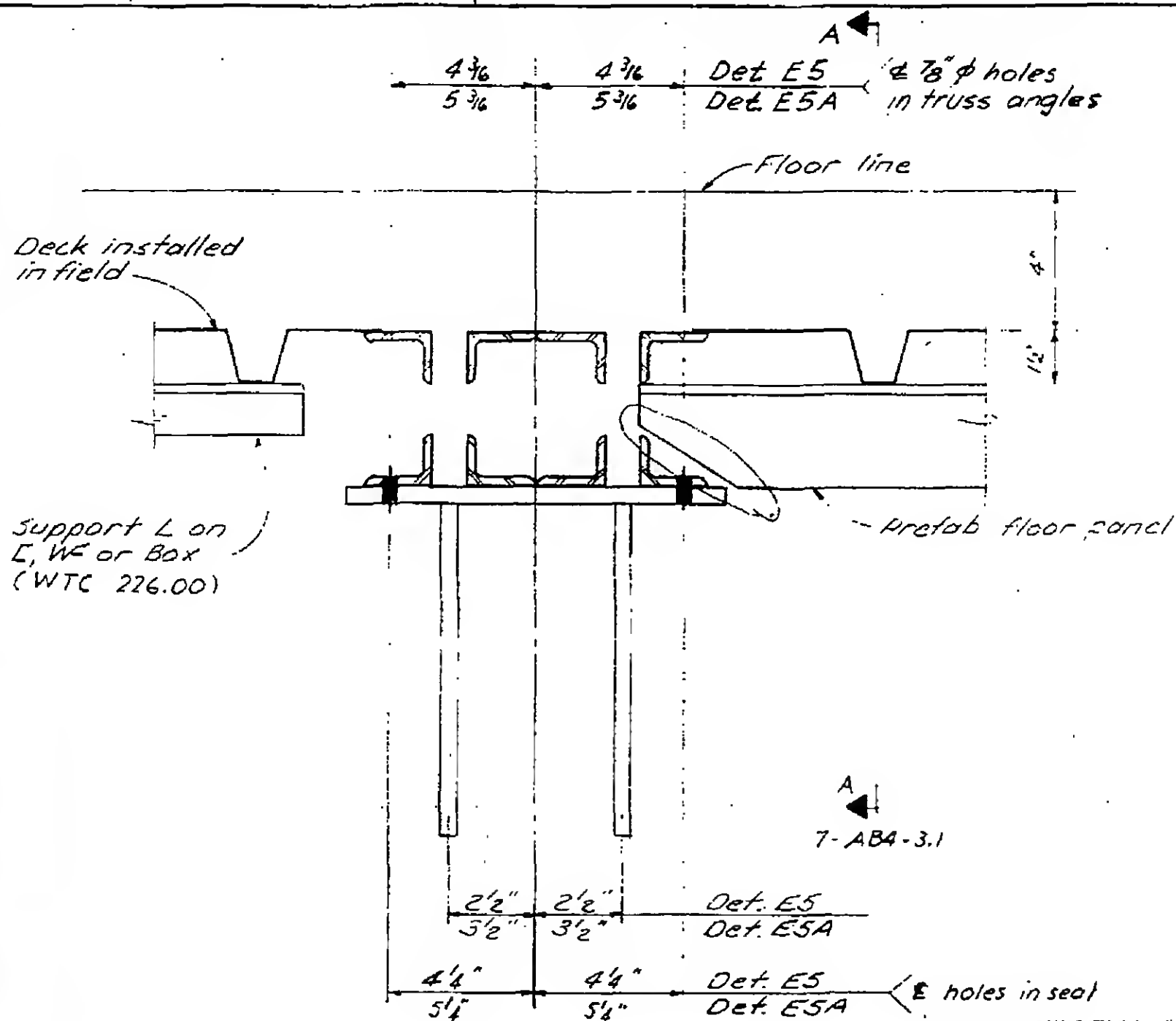
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL-DETAIL E5 & E5A

DATE 10-20-67

REVISIONS

1-3-68
10-15-68

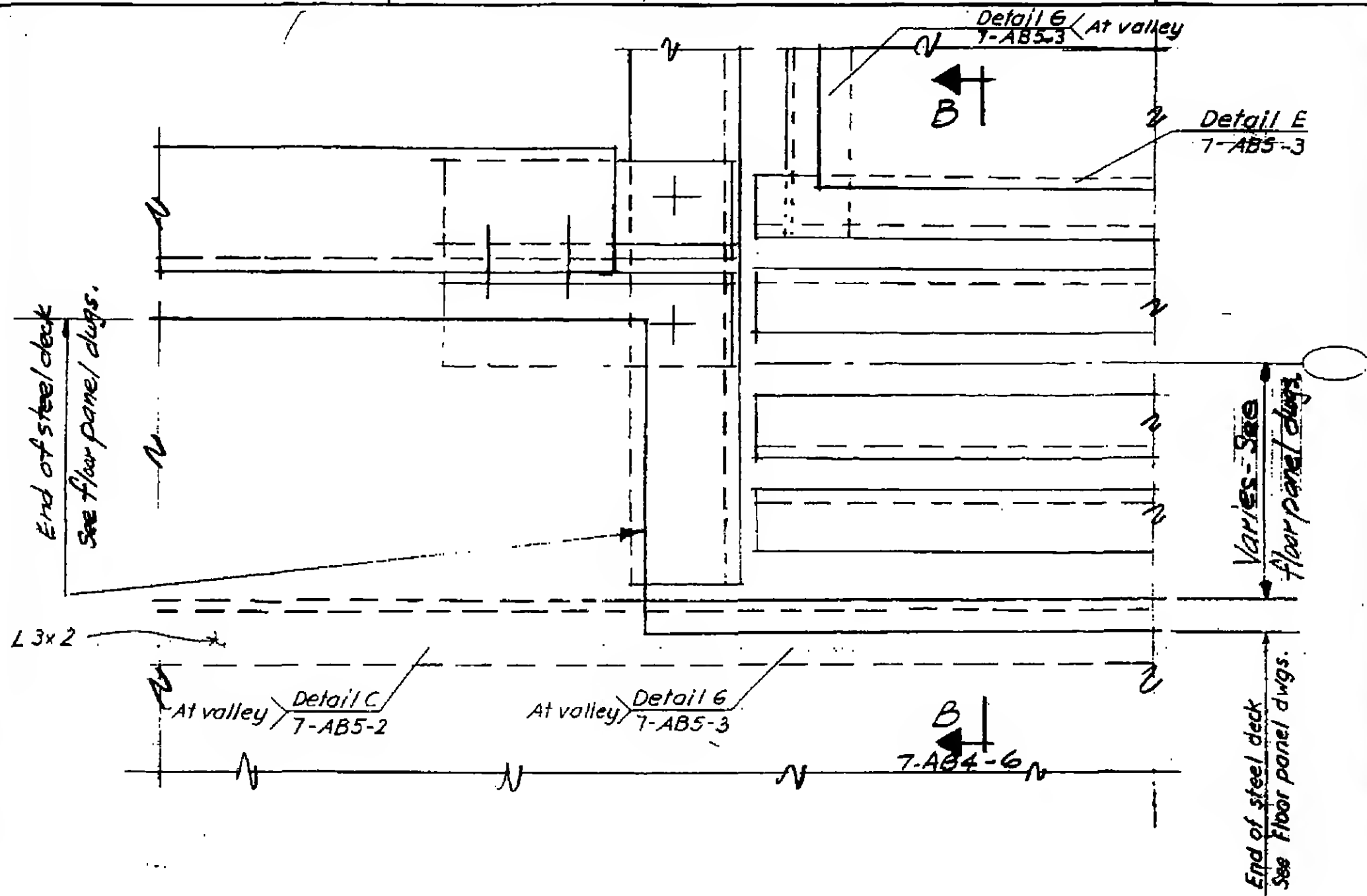


7-AB4-4

PROJECT THE WORLD TRADE CENTERTITLE FLOOR PANEL - DETAIL EGDATE 1-3-68

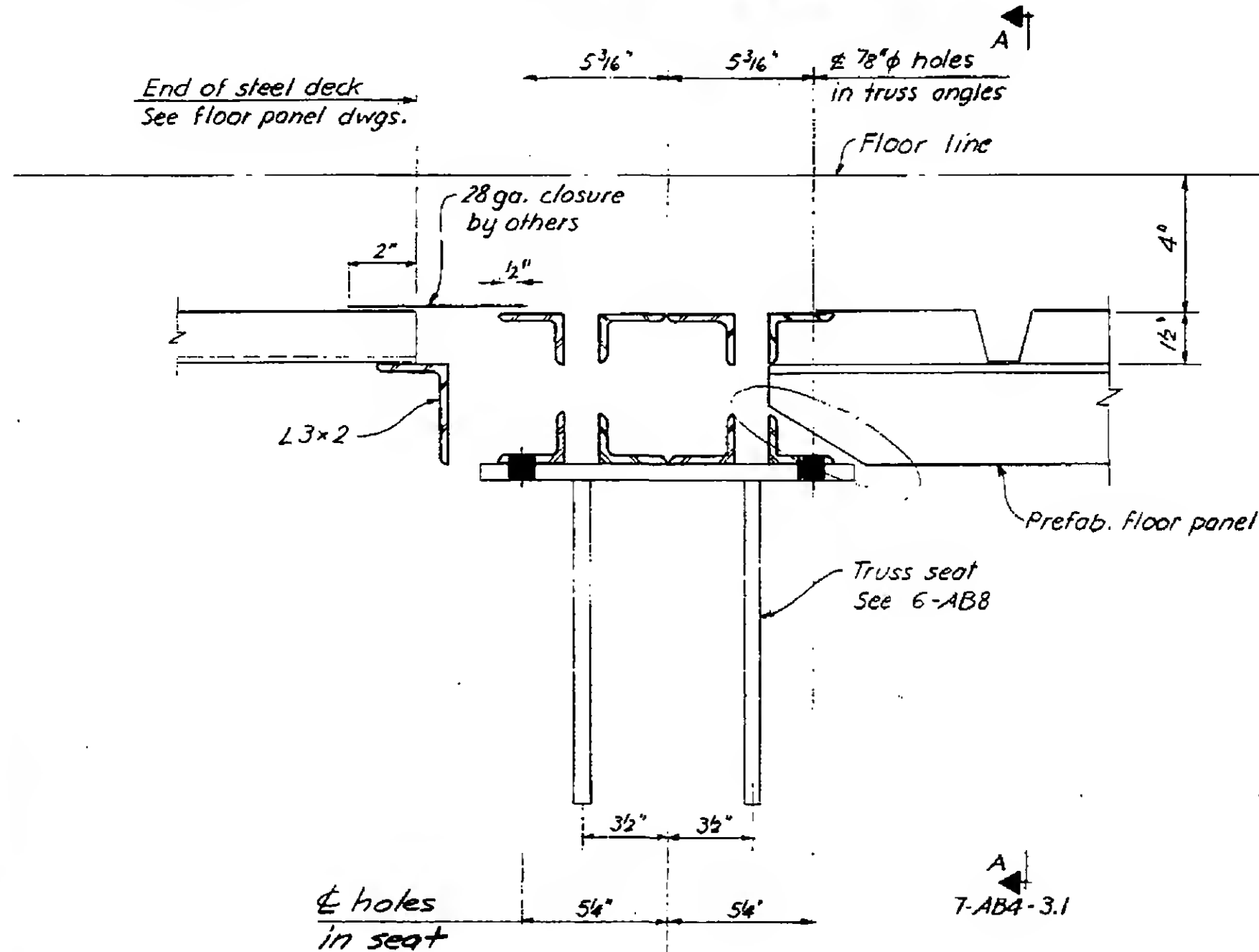
REVISIONS

7-22-68



REVISIONS

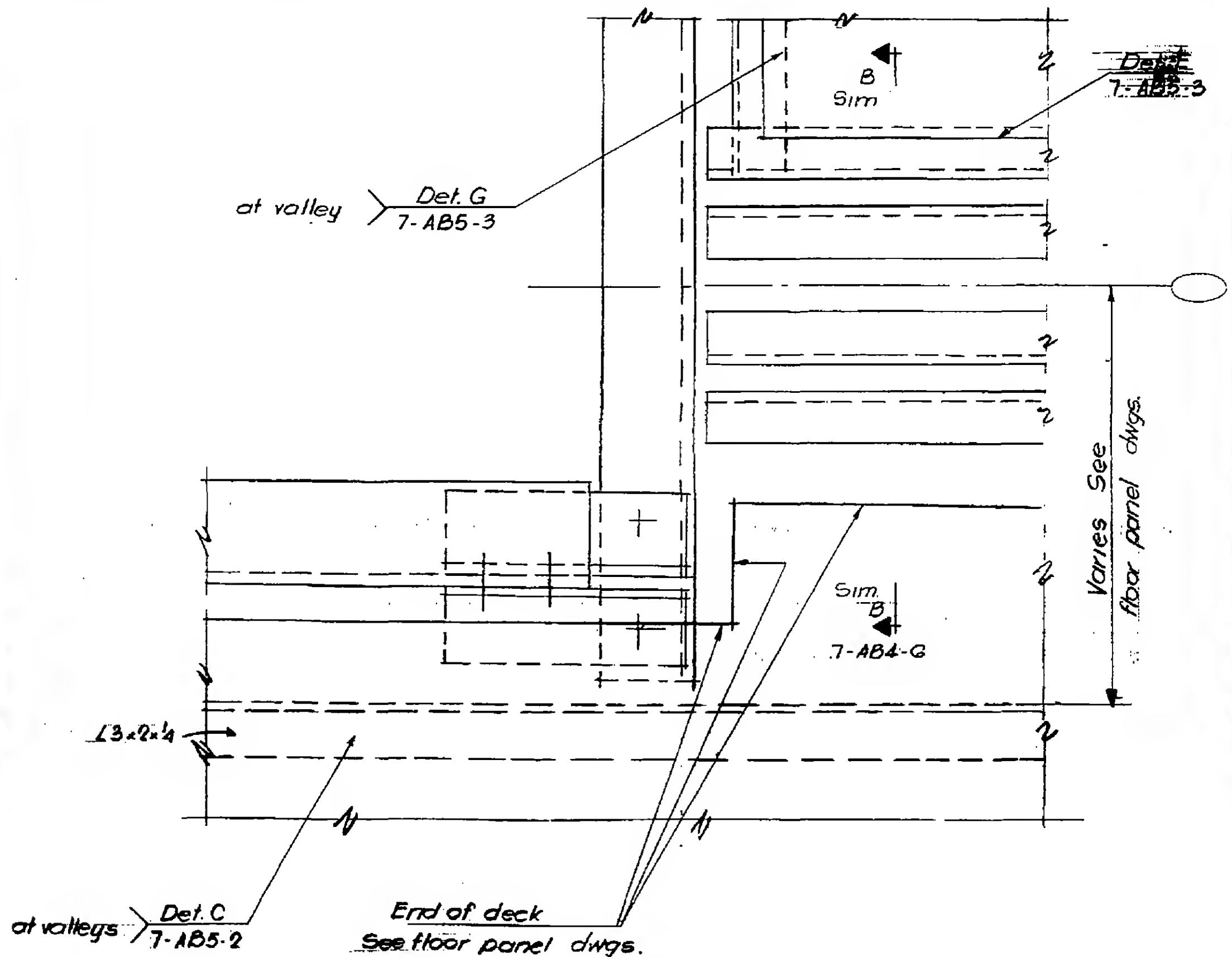
10-15-68

Section B-B

7-AB4-6

PROJECT THE WORLD TRADE CENTERTITLE FLOOR PANEL - DETAIL EBDATE 1-3-88

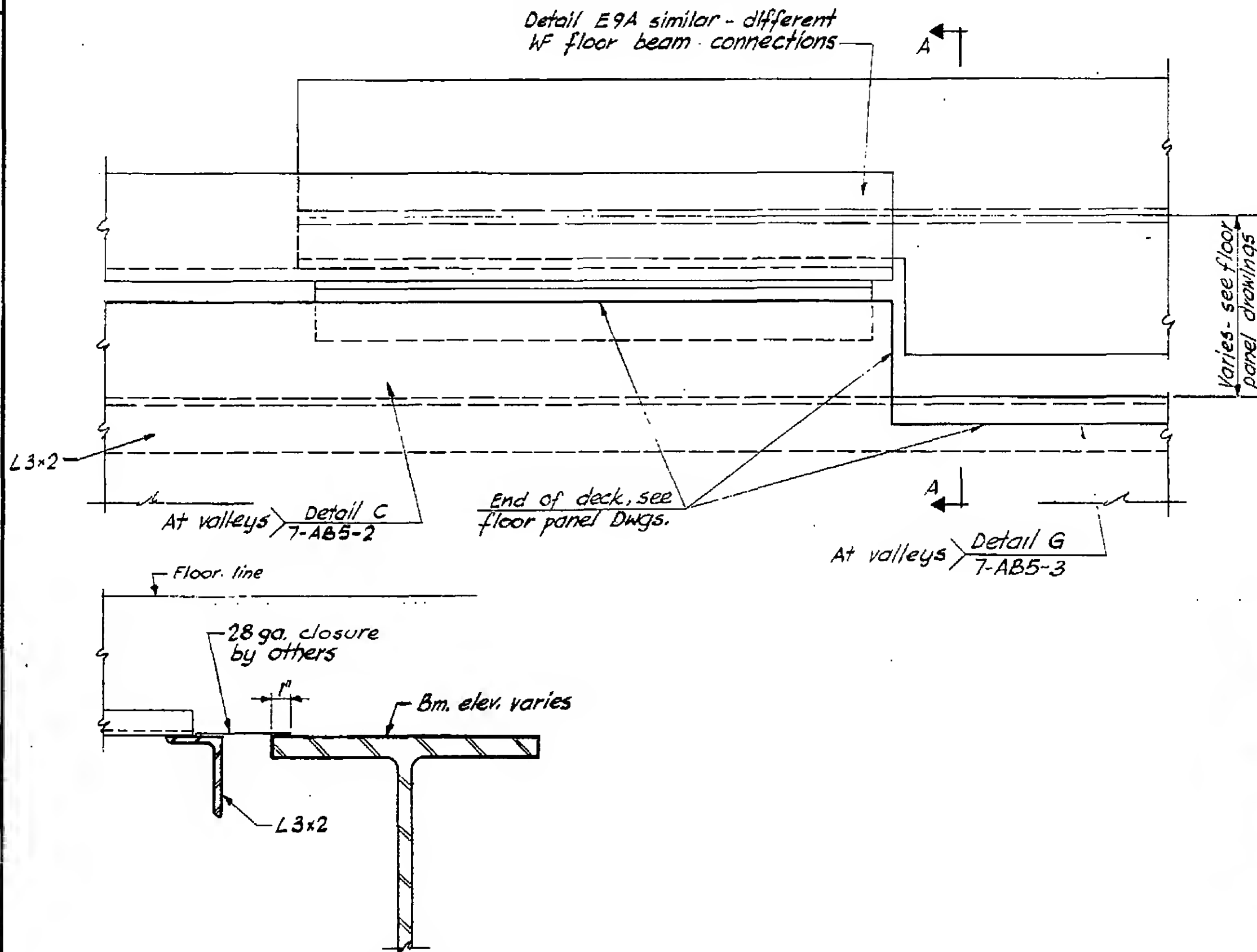
REVISIONS



7-AB4-7

REVISIONS

Detail E9A similar - different
WF floor beam connections



Section A-A

7-AB4-8



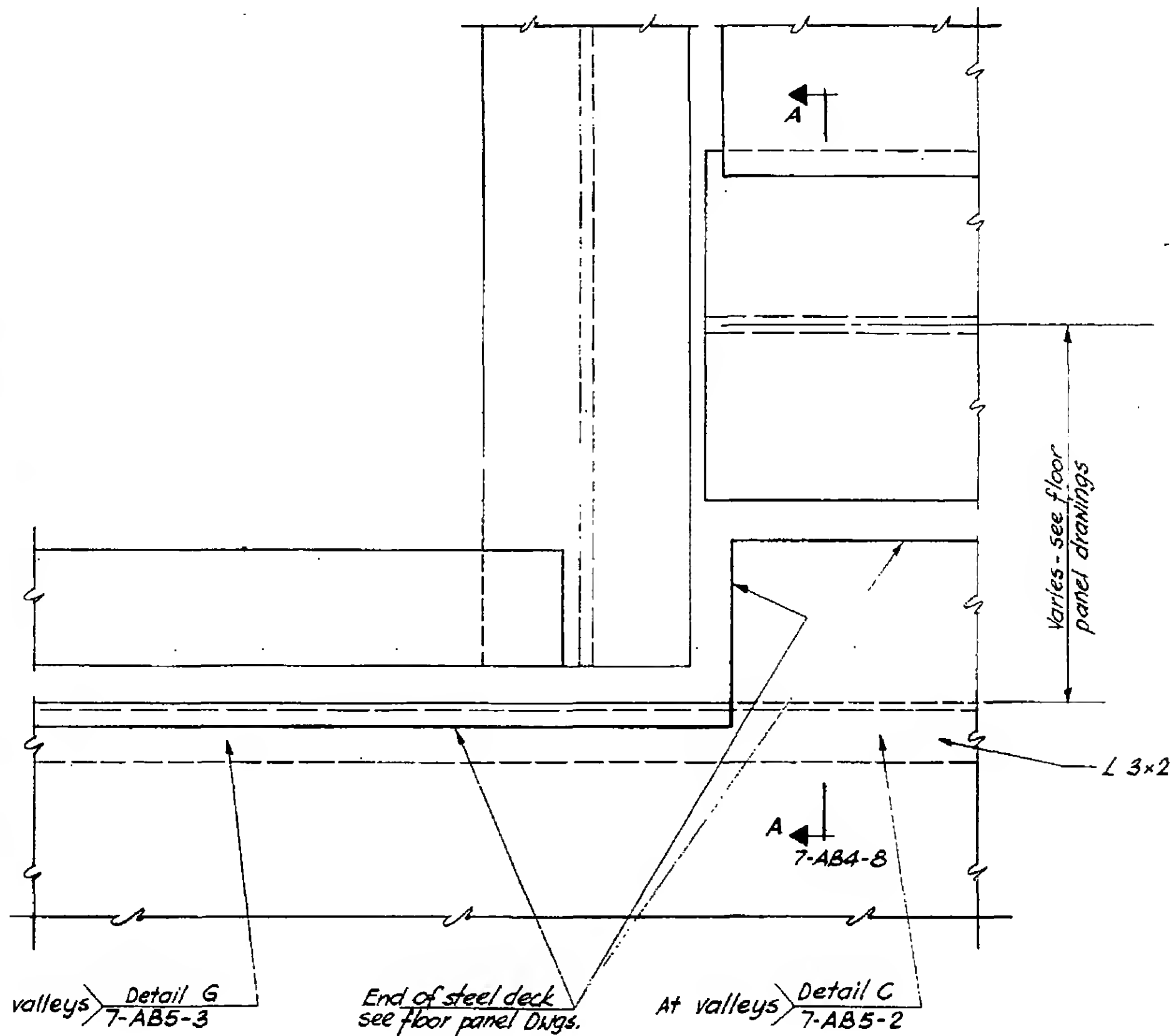
DESIGNED

DRAWN

REVIEWED

55

REVISIONS

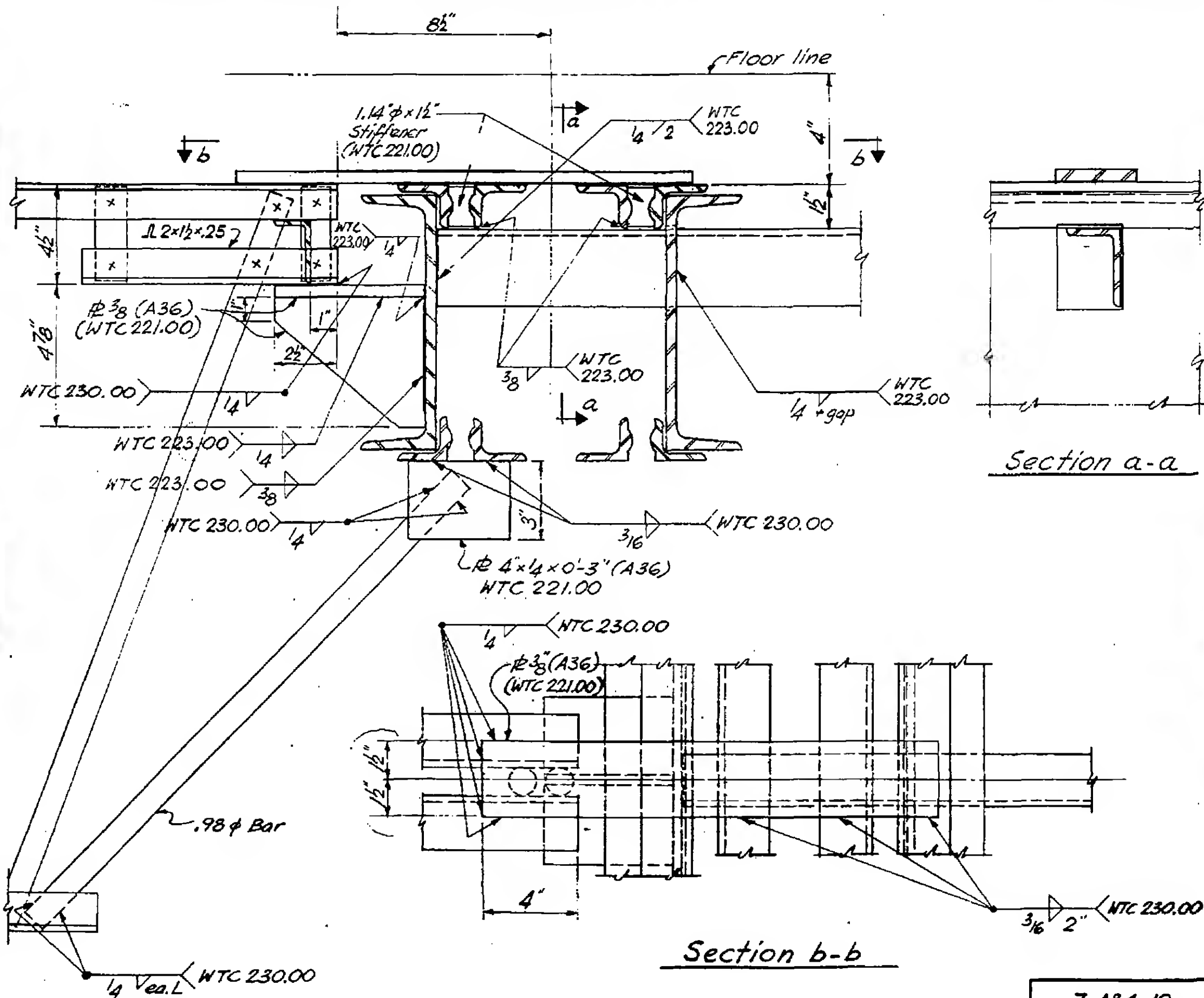


DESIGNED

BRUNN

REVIEWED

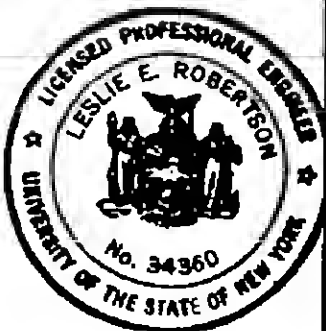
REVISIONS

10-4-68
12-20-68

Section a-a

Section b-b

7-AB4-10



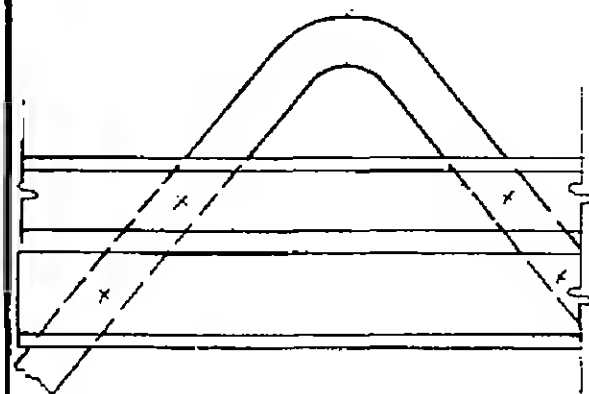
DESIGNED

DRAWN

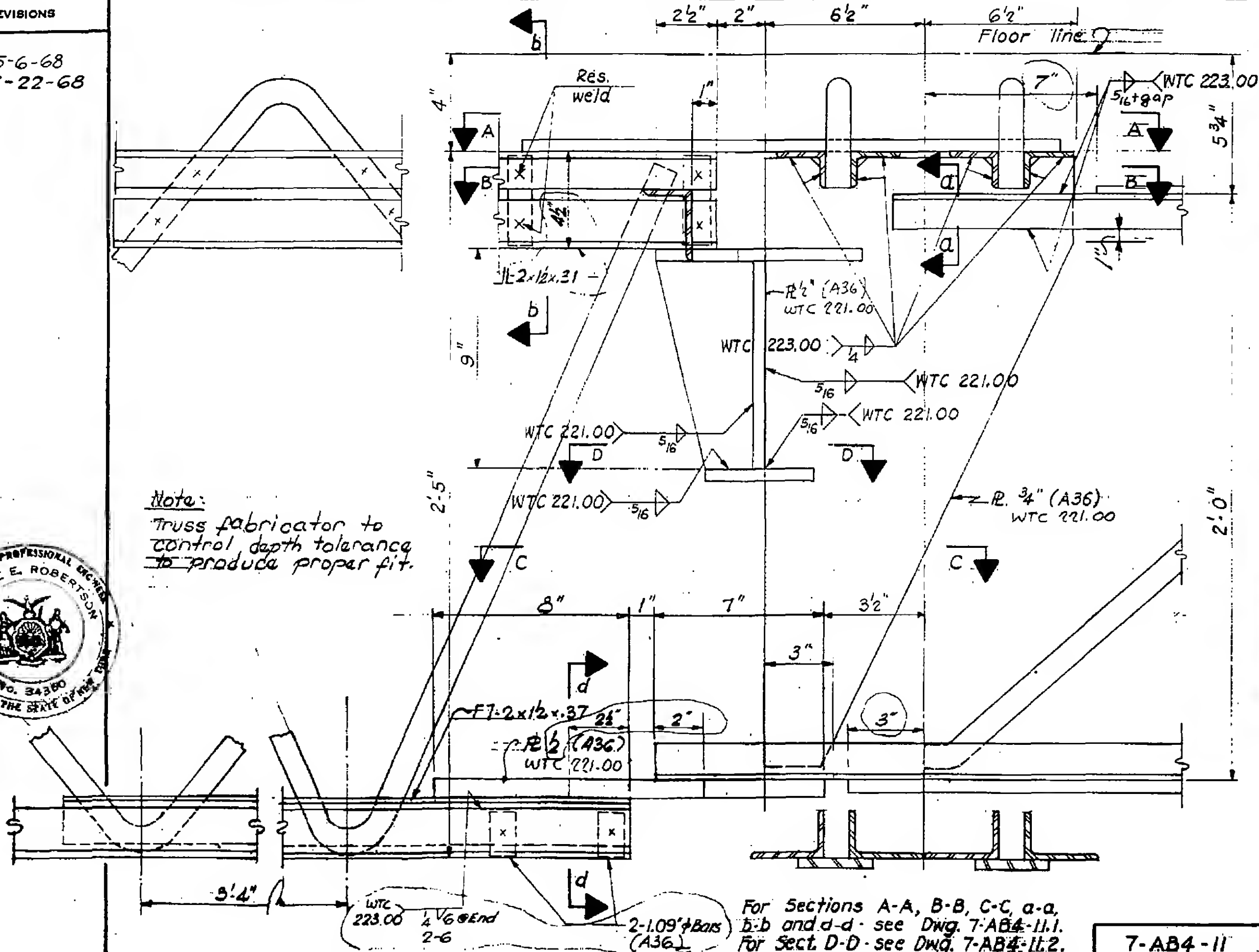
REVIEWED

REVISIONS

5-6-68
7-22-68



Note:
Truss fabricator to
control depth tolerance
to produce proper fit.

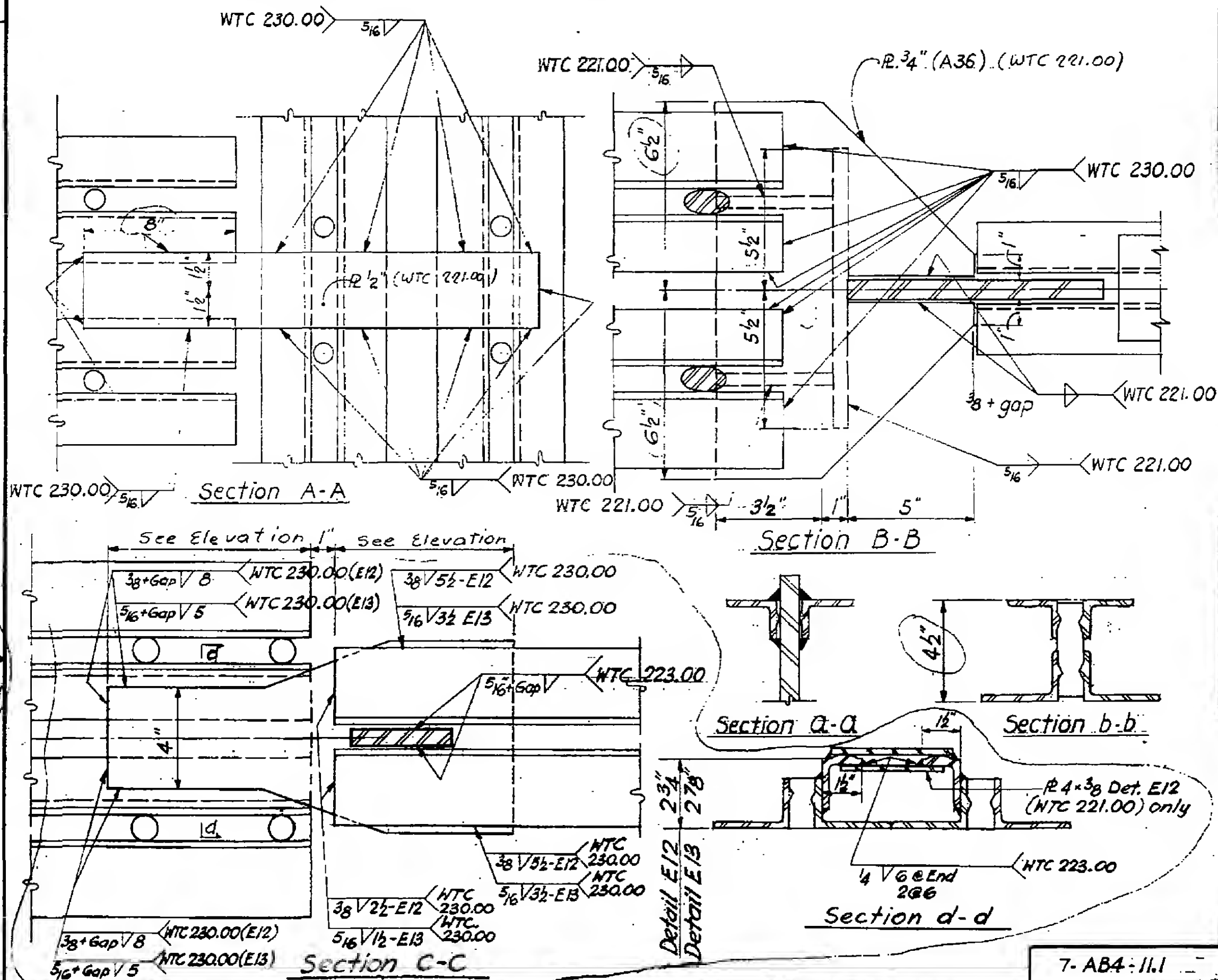


For Sections A-A, B-B, C-C, a-a,
b-b and d-d - see Dwg. 7-AB4-11.1.
For Sect. D-D - see Dwg. 7-AB4-11.2.

7-AB4-11

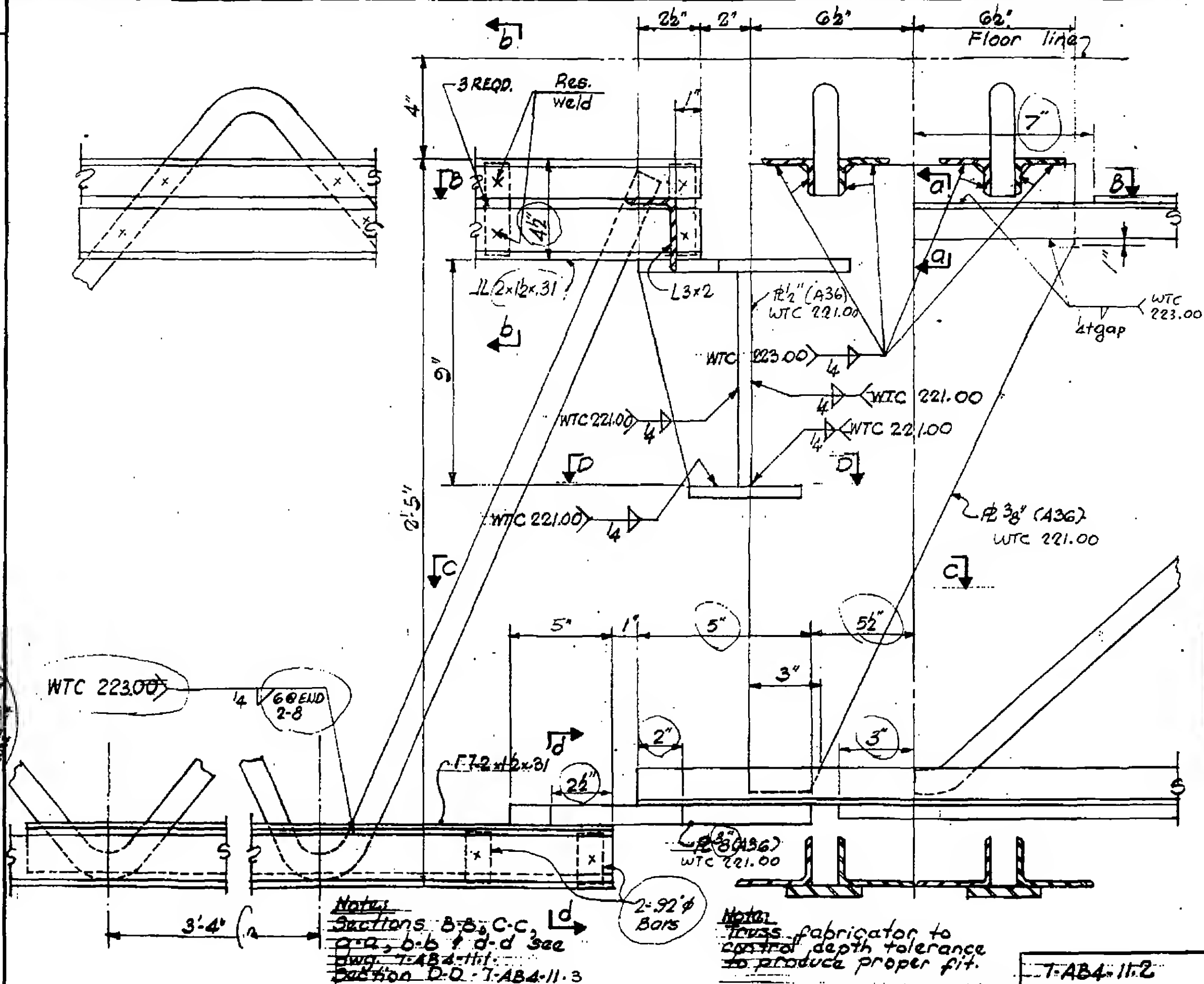
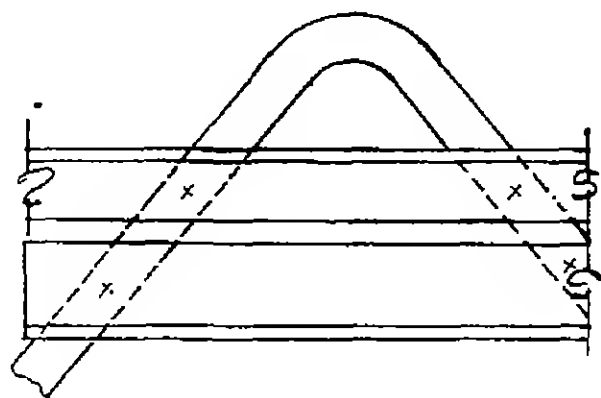
REVISIONS

7-22-68



REVISIONS

7-22-68



PROJECT

THE WORLD TRADE CENTER

TITLE

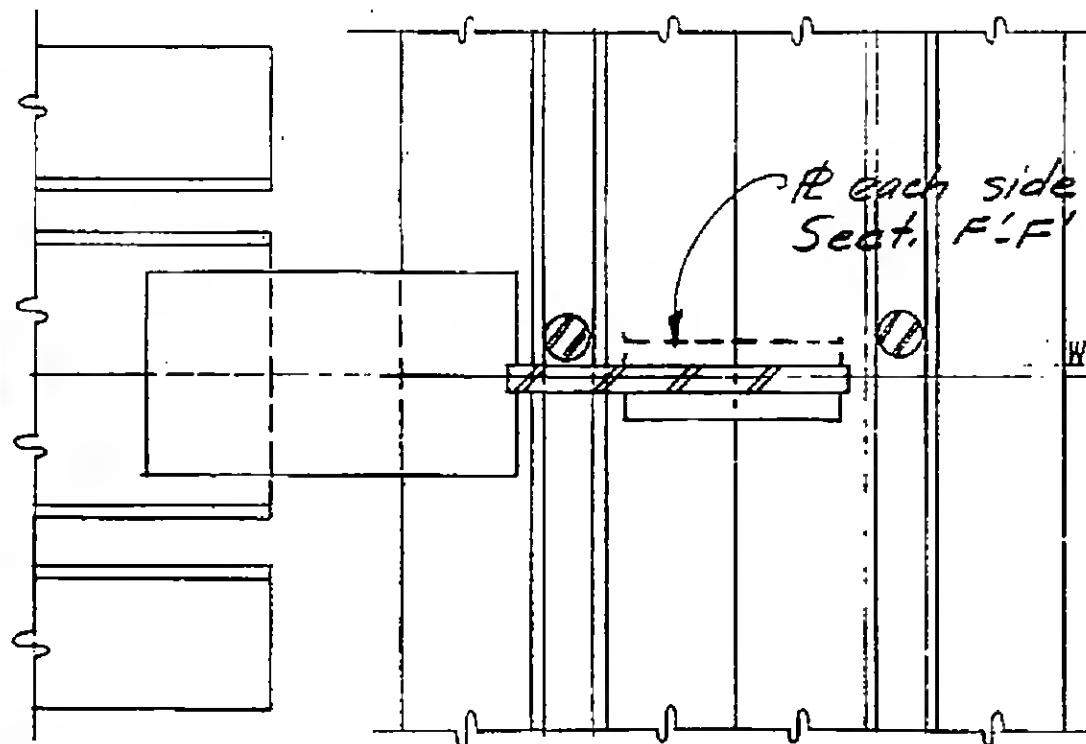
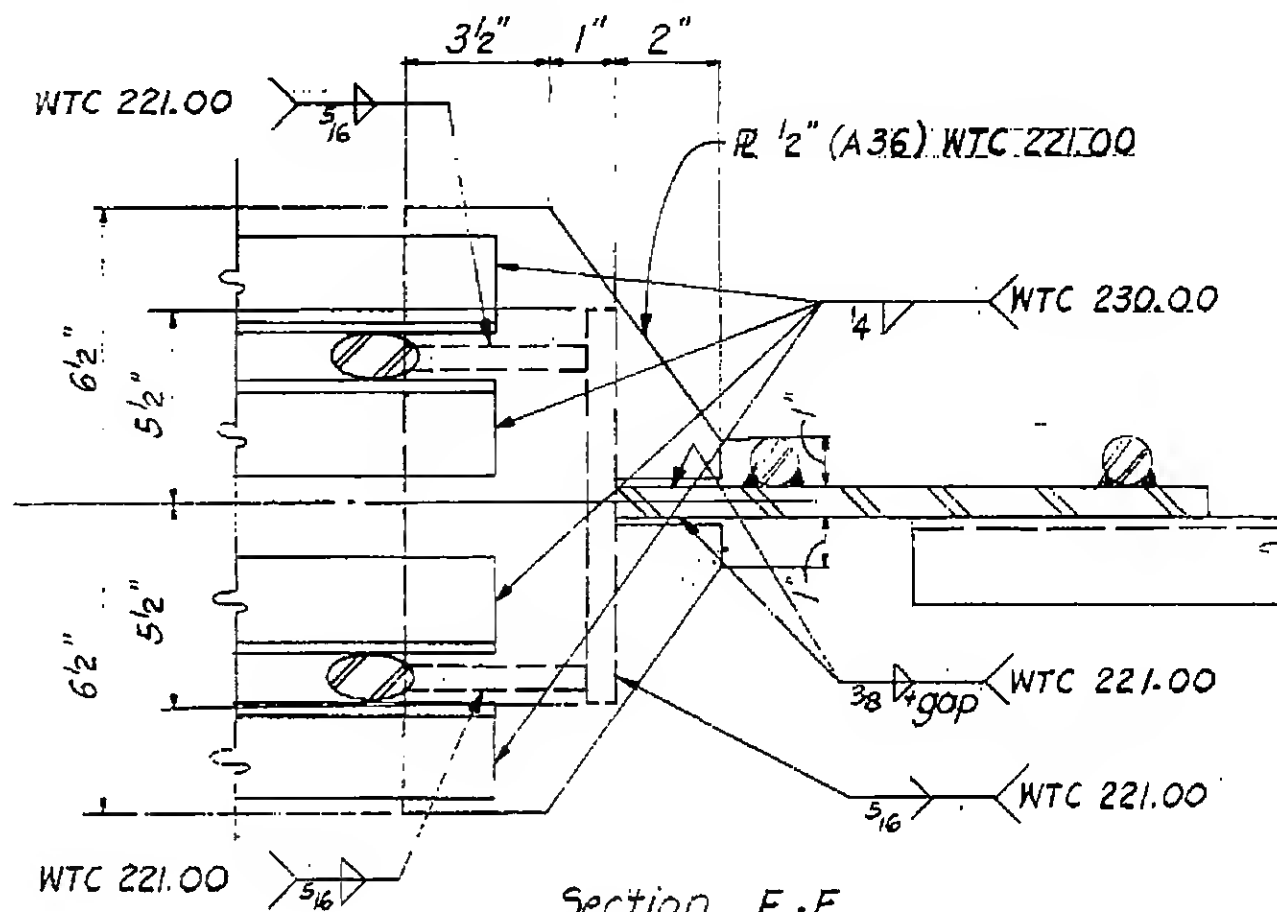
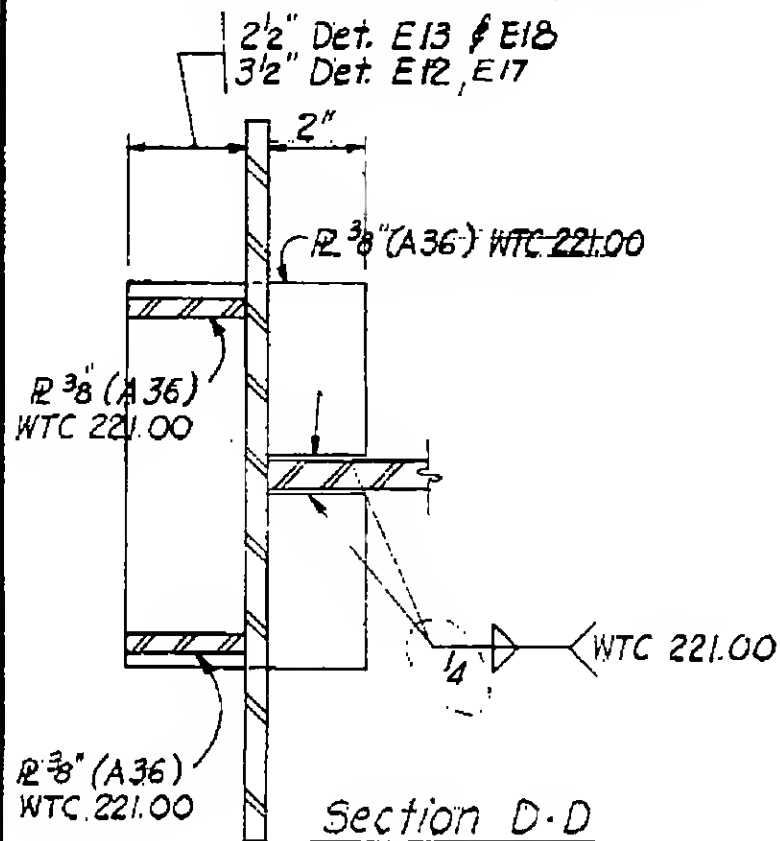
FLOOR TRUSS DETAIL E12, E13, E17, E18

DATE

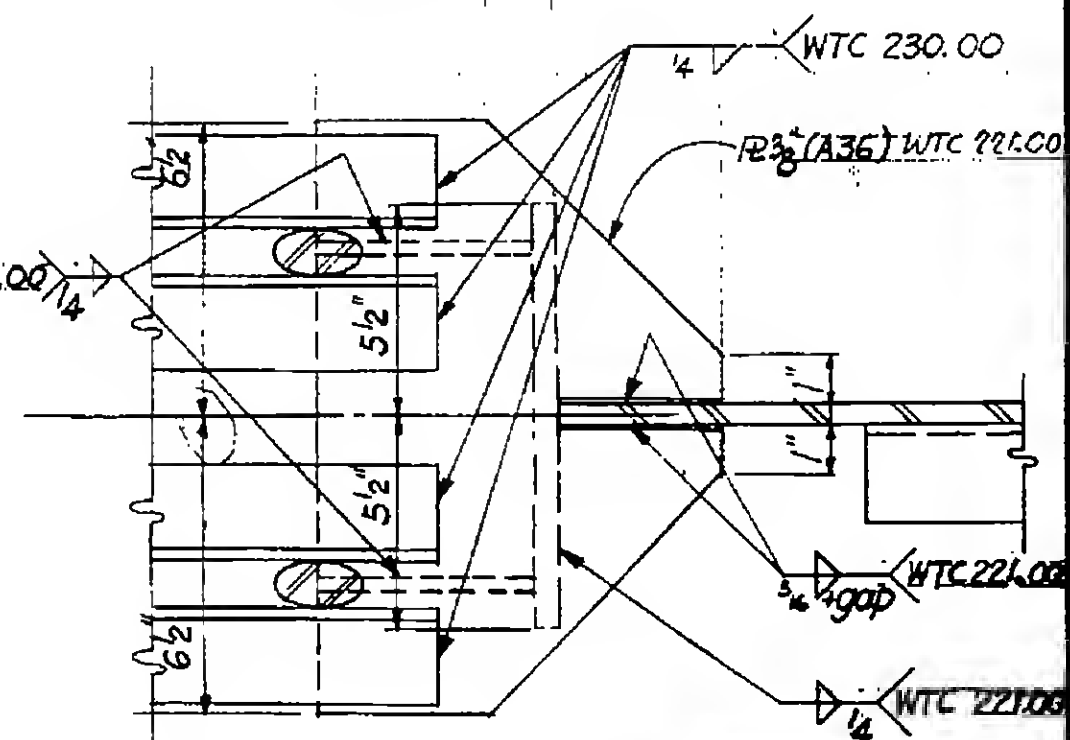
5-6-68

REVISIONS

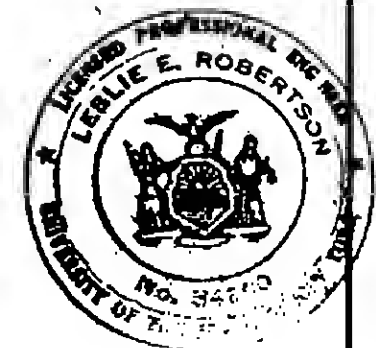
7-22-68



Section F-F
Section F-F as noted



7-AB4-11.3



PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR TRUSSES - DETAIL E16

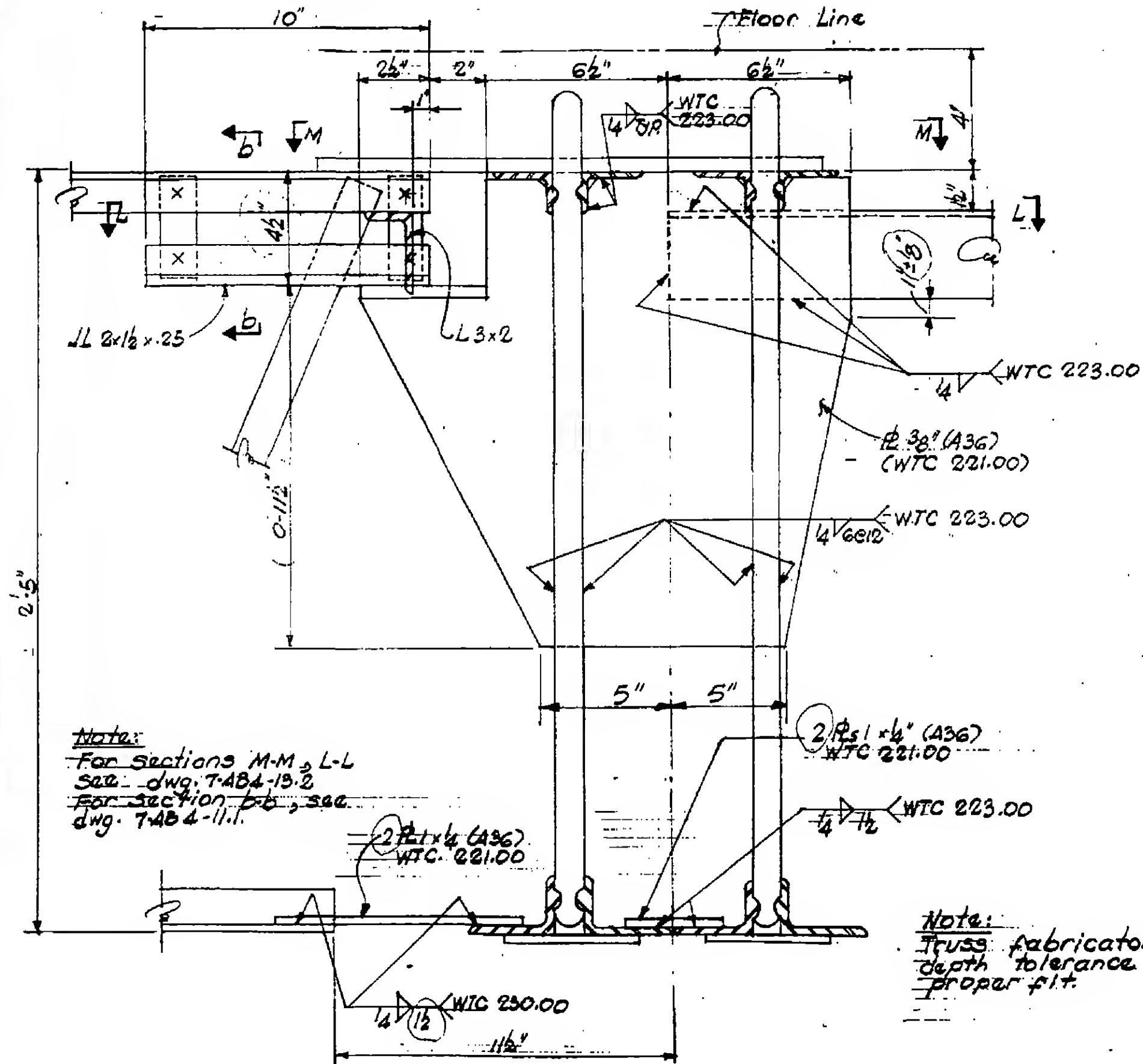
DATE

1-3-68

REVISIONS

5-6-68

7-22-68

Note:

For sections M-M, L-L

see - dwg. T-AB4-13.2

For section b-b, see

dwg. T-AB4-11.1.

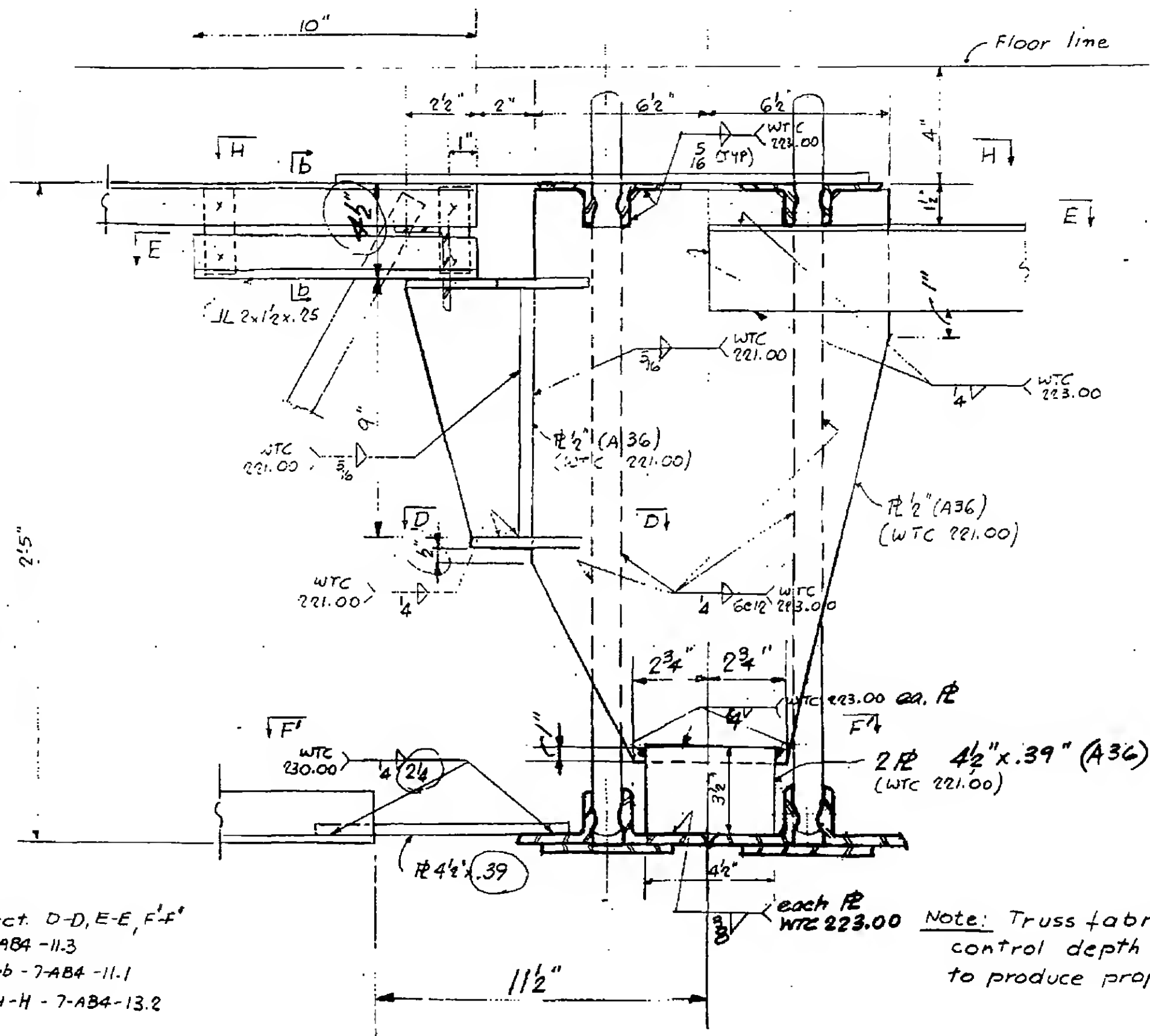


PROJECT THE WORLD TRADE CENTER

TITLE FLOOR TRUSS DETAIL E17

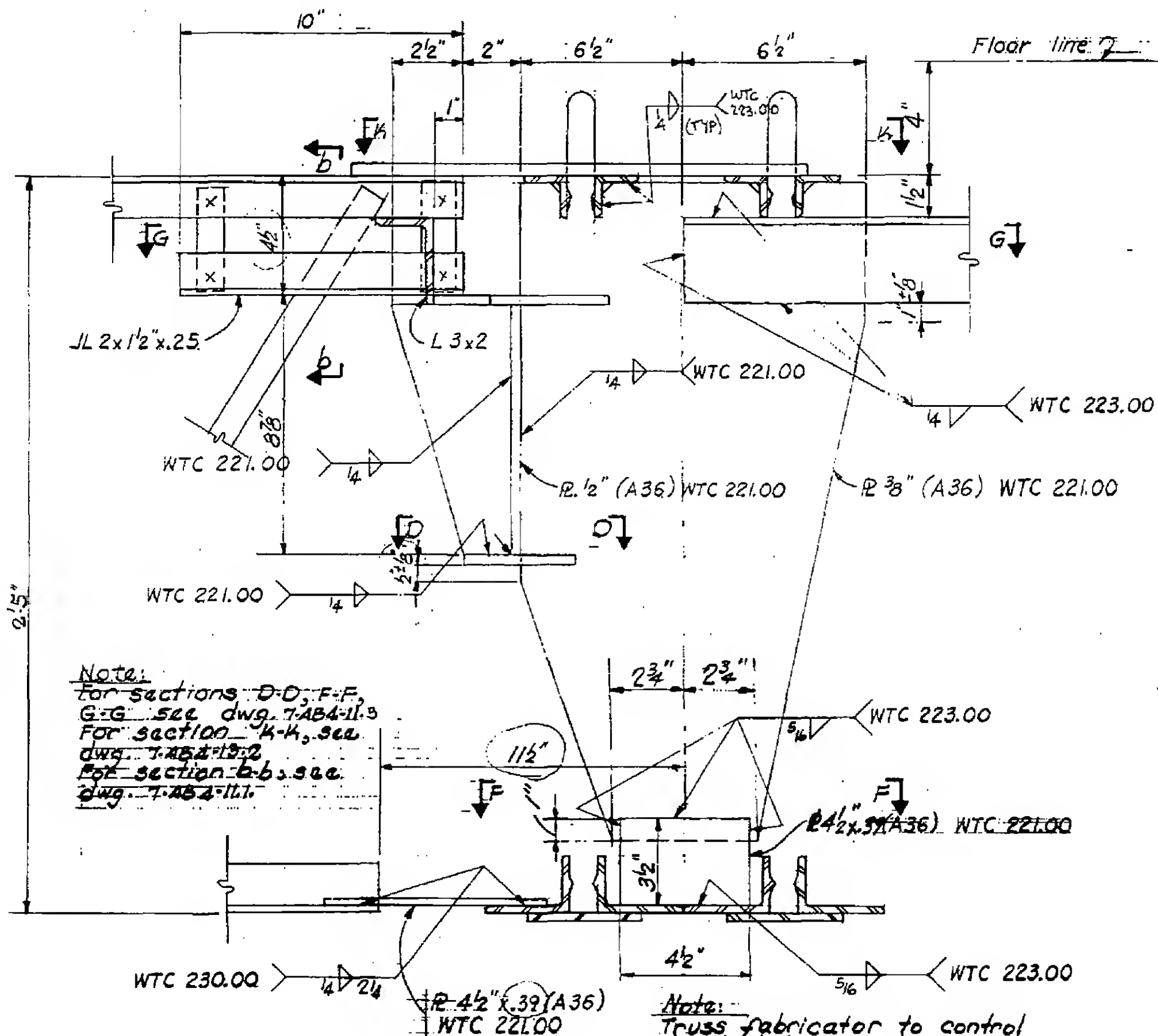
DATE 1-3-68

REVISIONS

5-6-68
7-22-68

REVISIONS

7-22-68



Note: Truss fabricator to control depth tolerance to produce proper fit

7-AB4-131



PROJECT

THE WORLD TRADE CENTER

TITLE

FLOOR TRUSSES - DETAILS E17, E18, E16

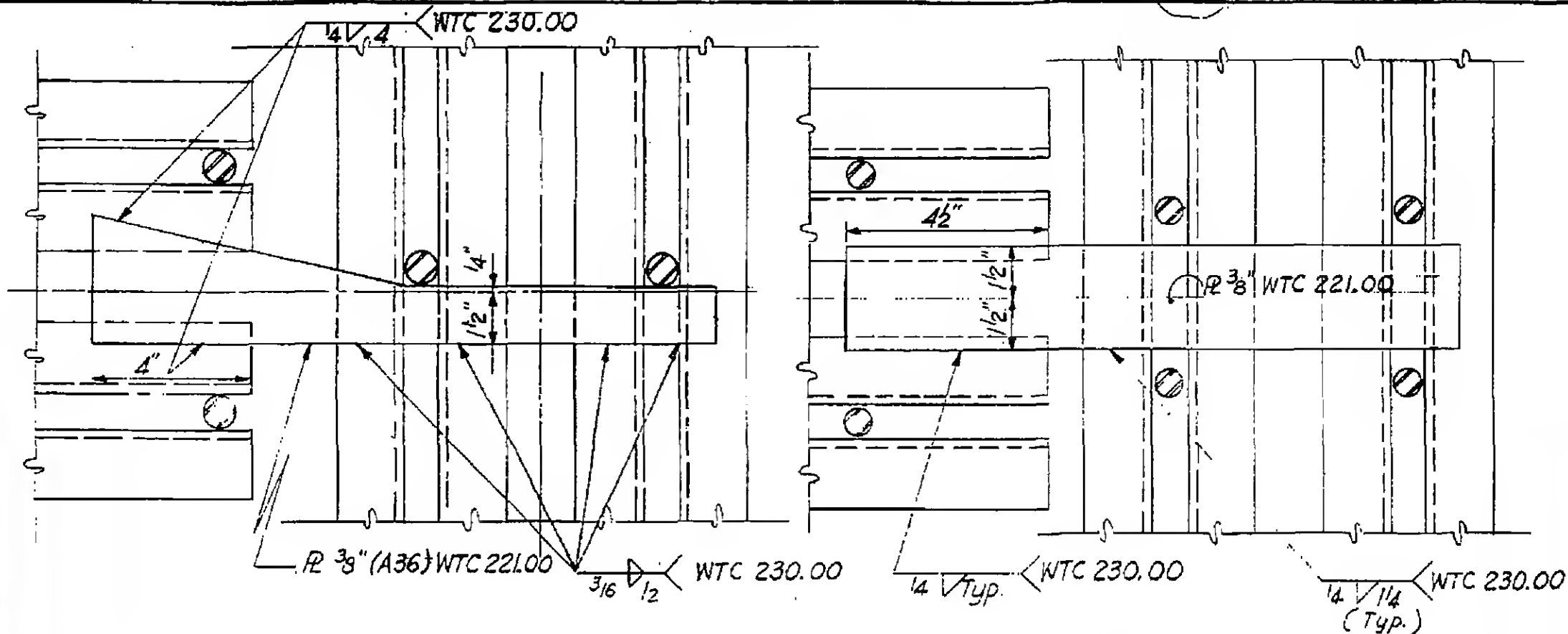
DATE

5-6-68

REVISIONS

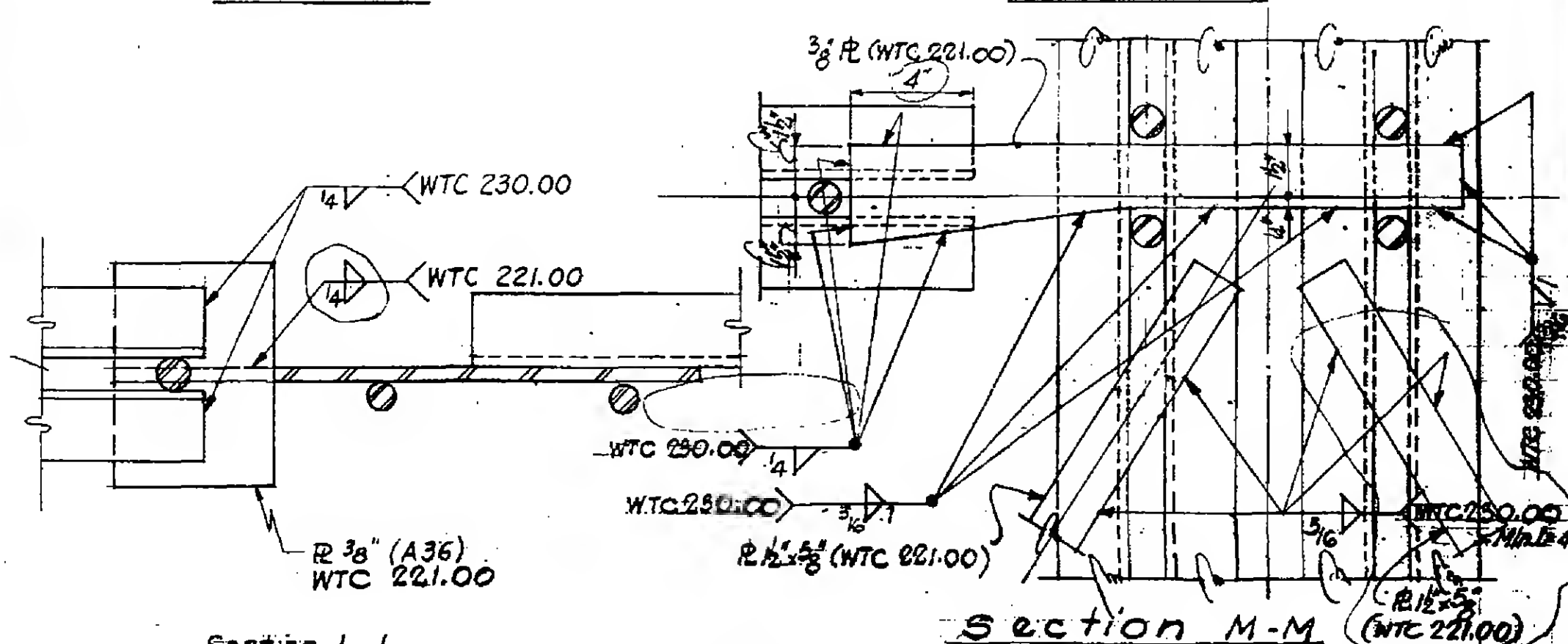
7-22-68

10-15-68



Section H-H

Section K-K



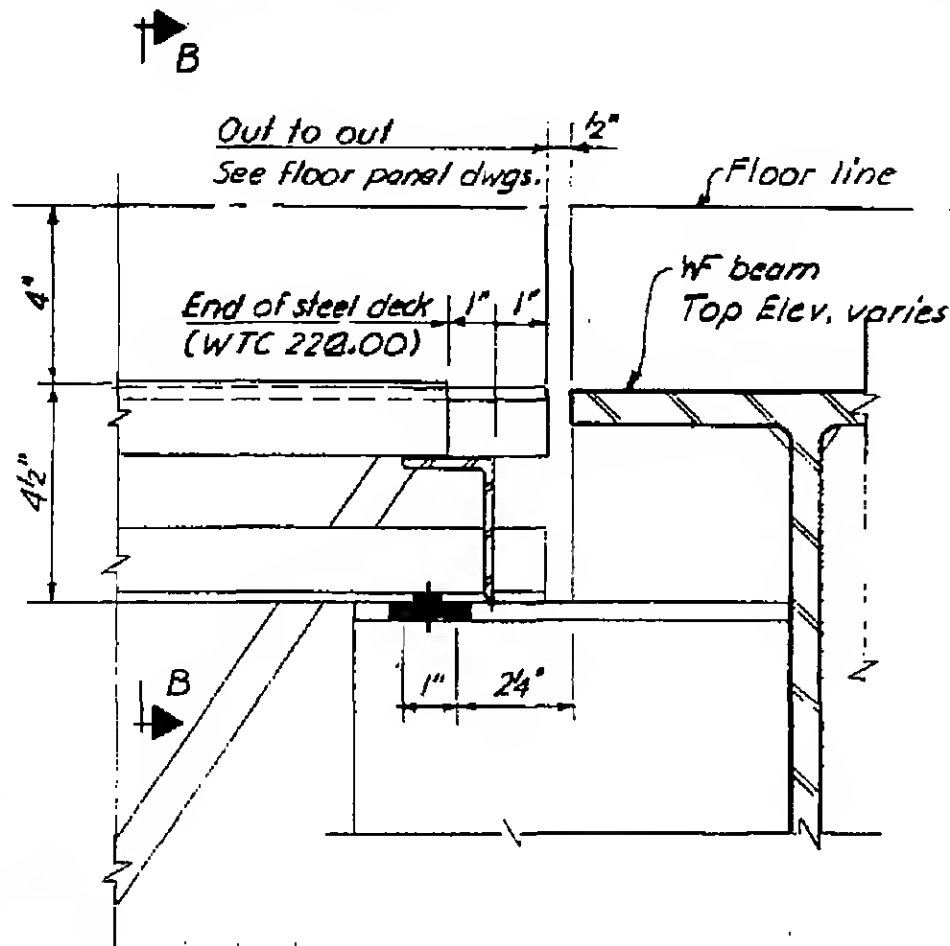
Section L-L

Section M-M

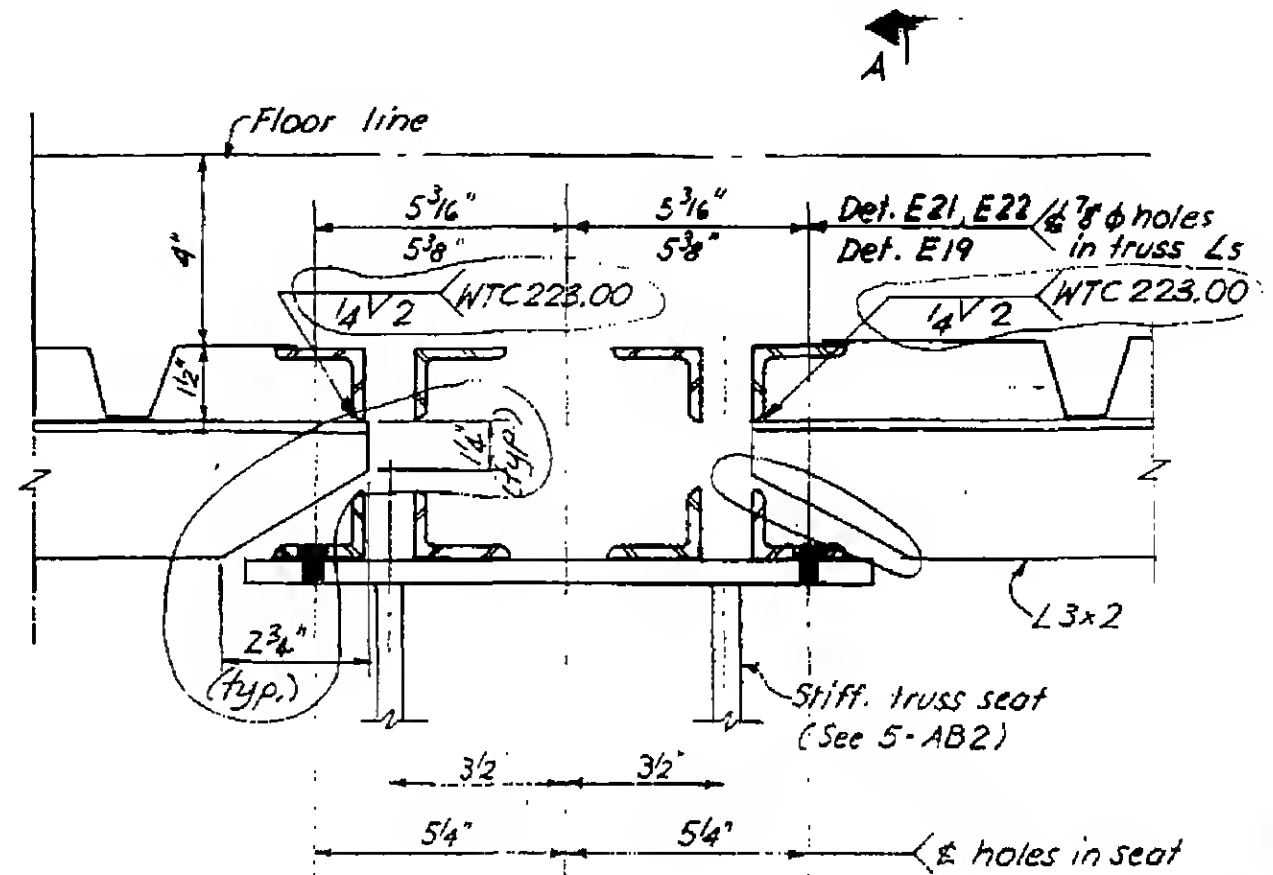


REVISIONS

10-15-68



Section A-A



Section B-B



PROJECT

THE WORLD TRADE CENTER

TITLE

PANEL DETAIL

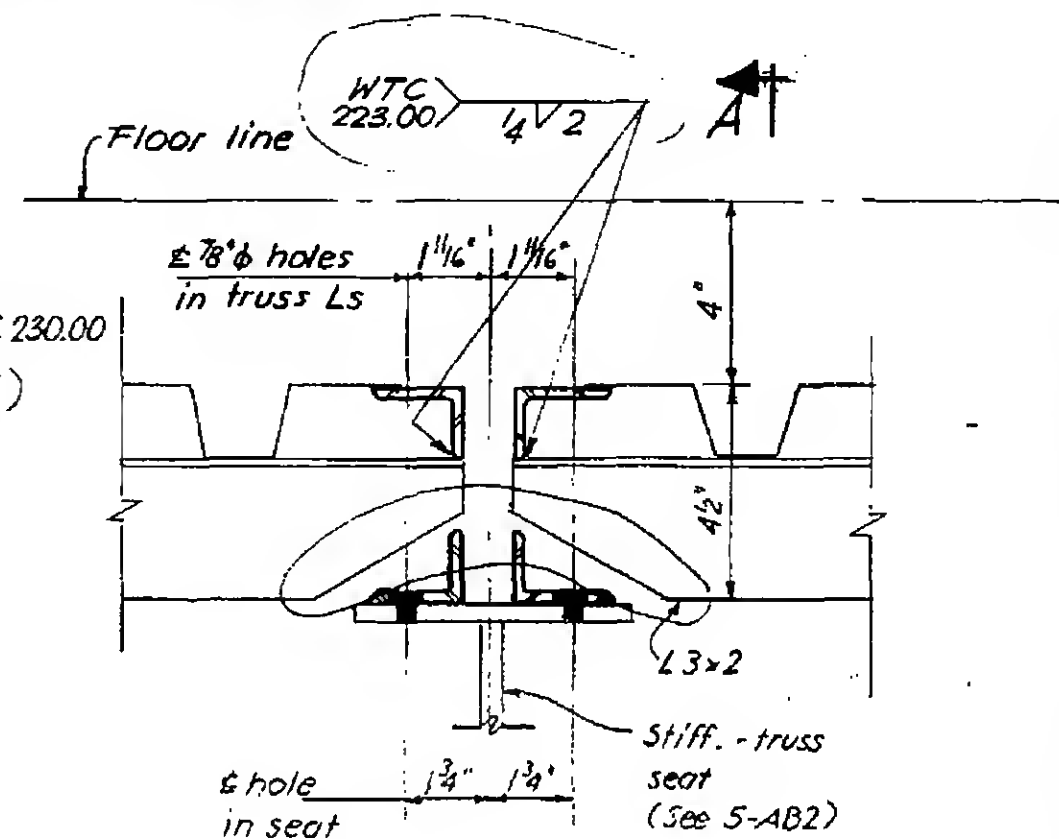
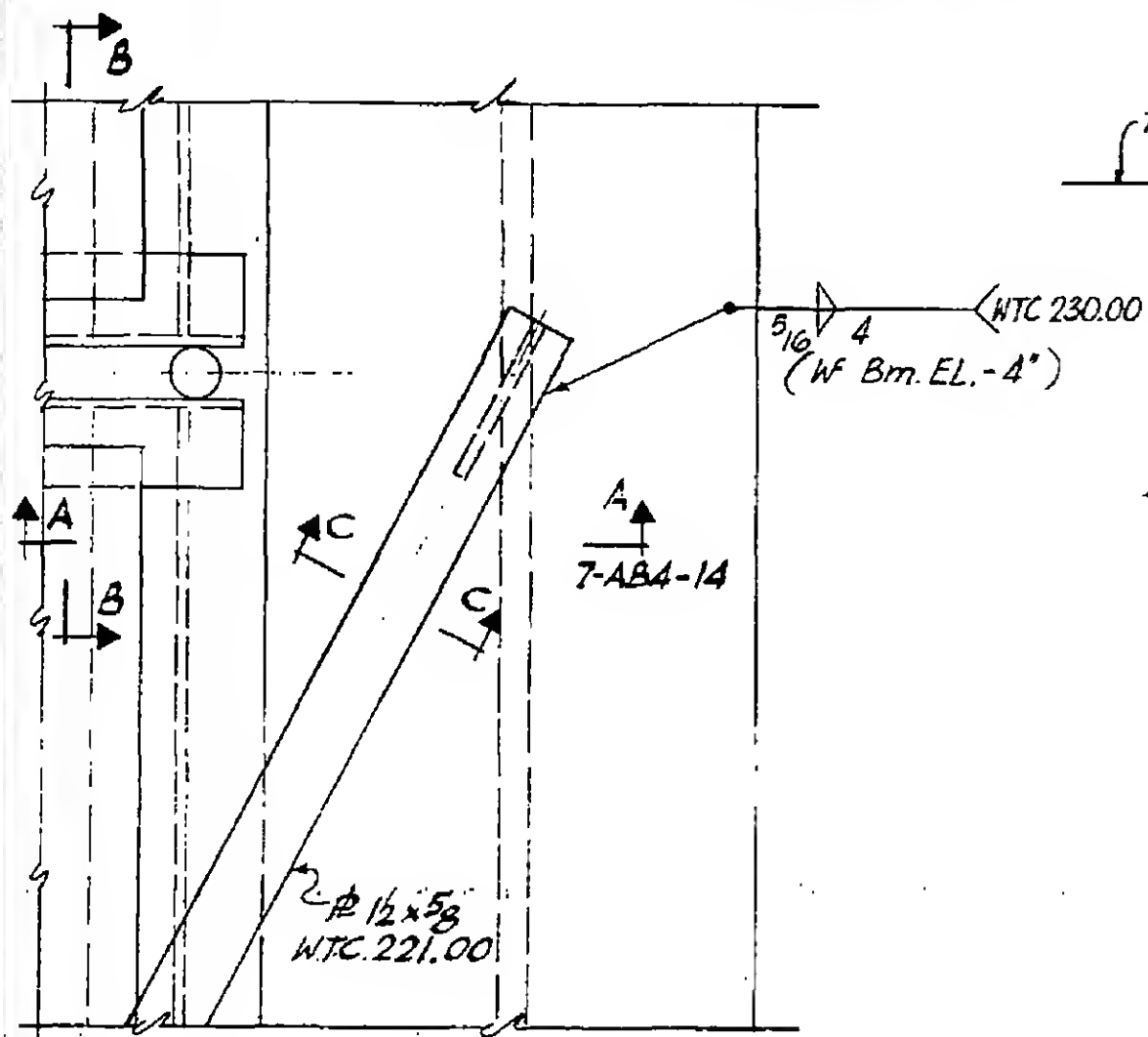
DATE

7-3-68

REVISIONS

7-22-68

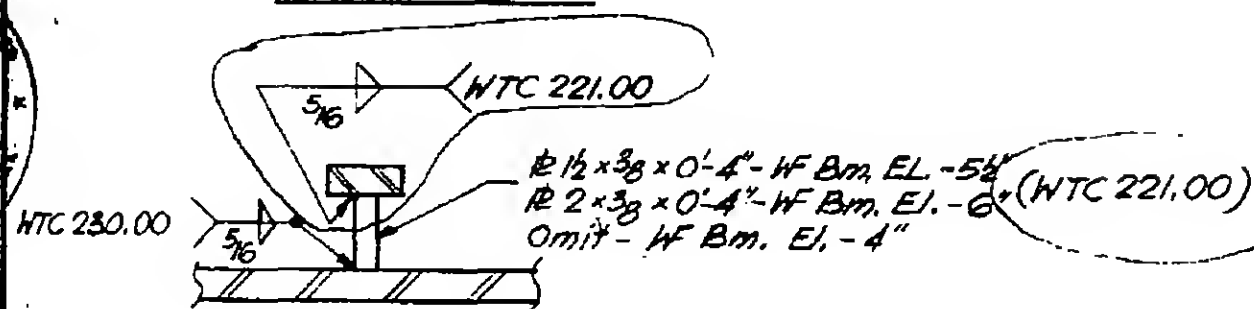
10-13-68



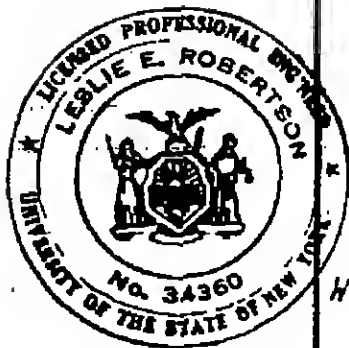
Section B-B

A
7-AB4-14

PLAN



Section C-C



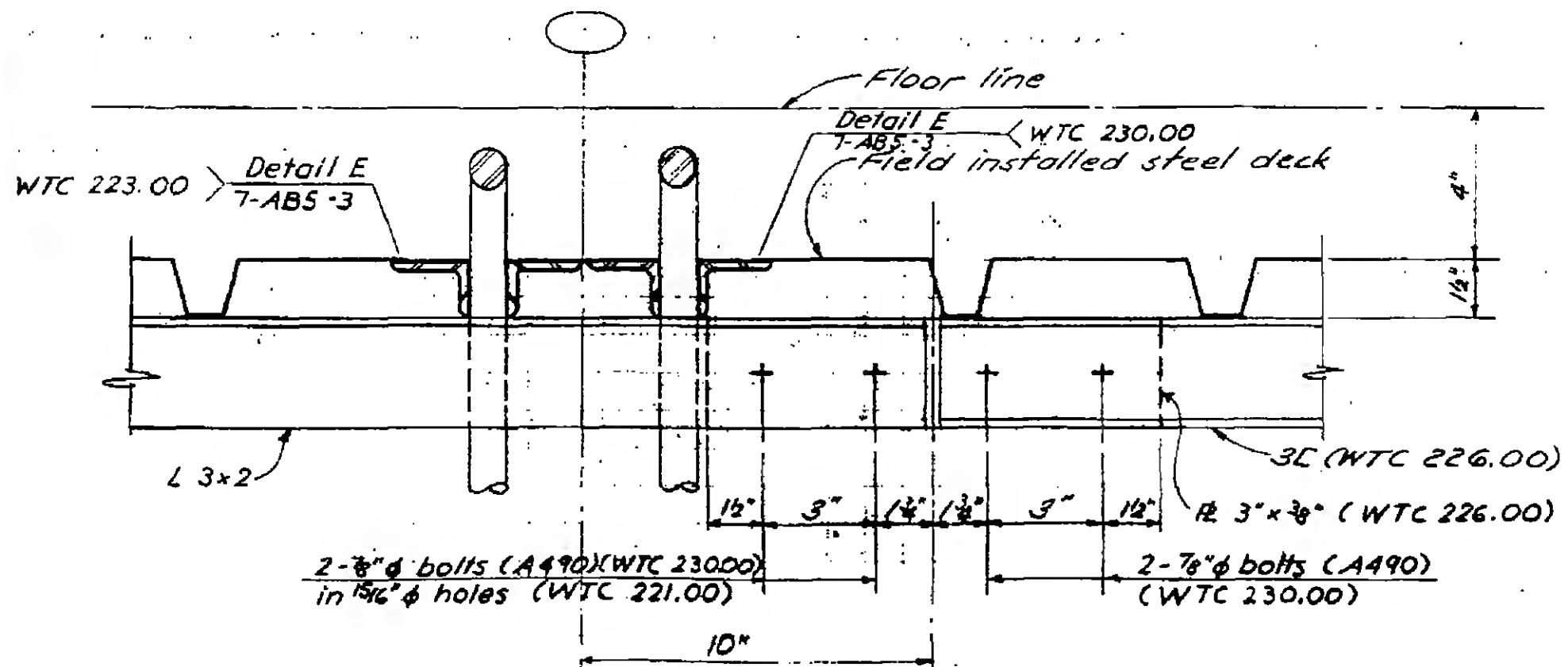
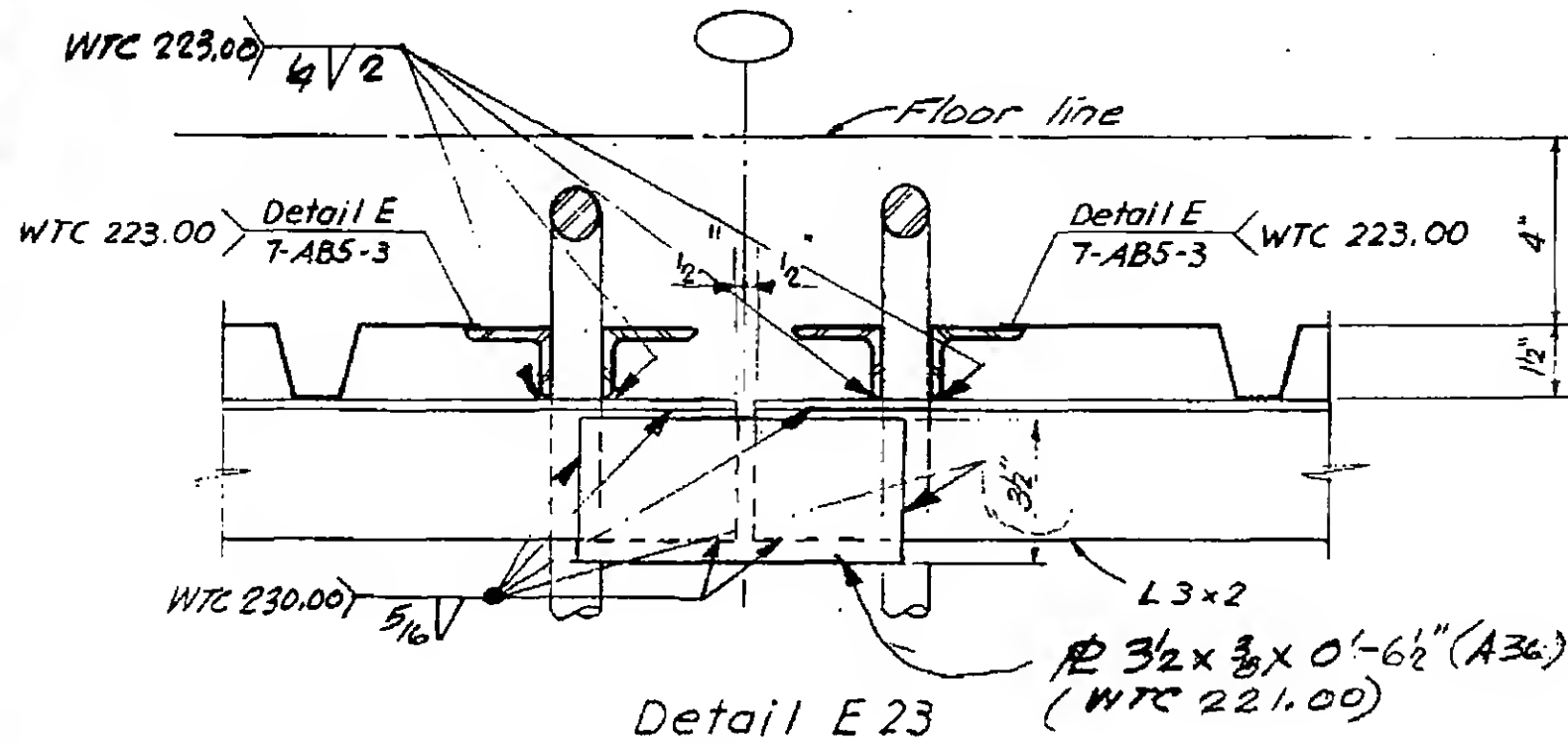
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E23 & E24

DATE 10-27-67

REVISIONS

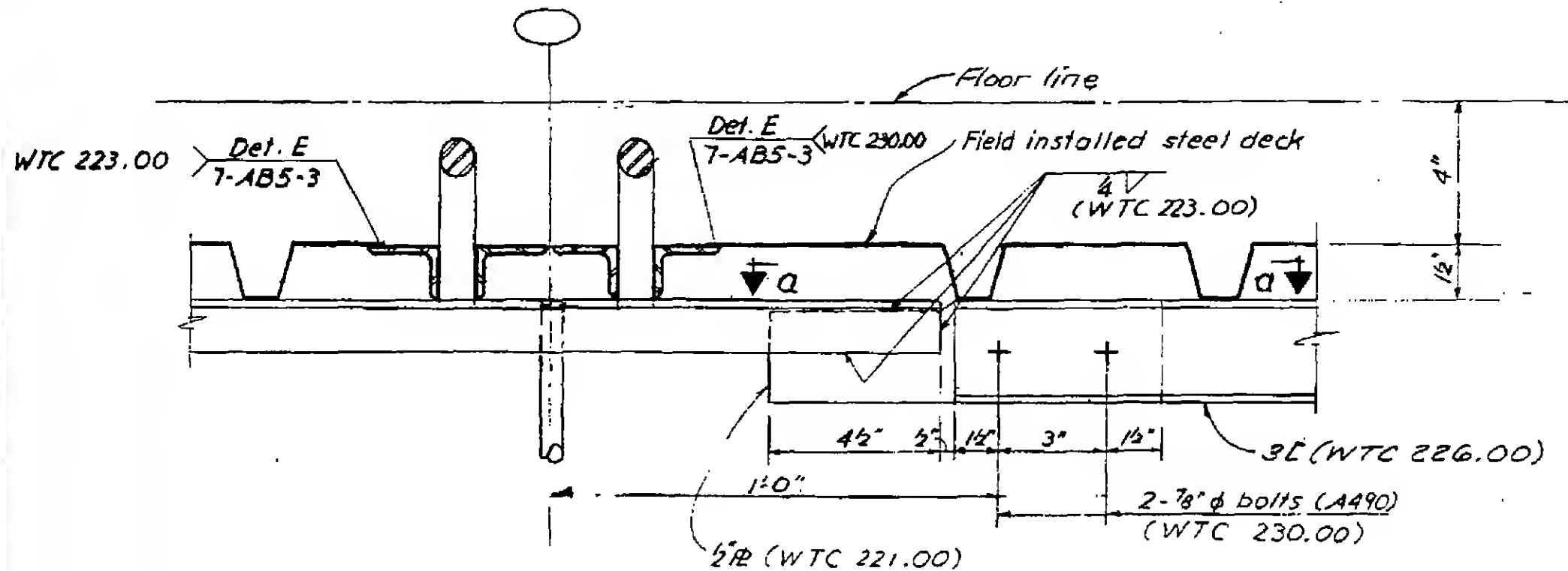
1-3-68
5-6-68
7-22-68



REVISIONS

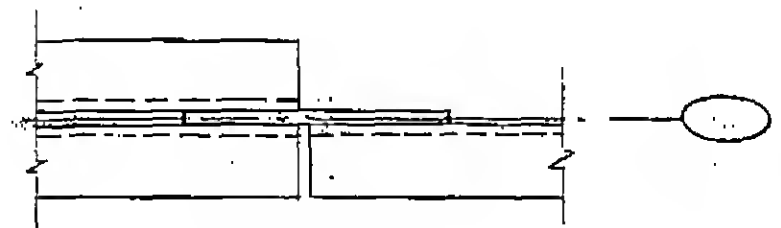
8-1-68

10-4-68

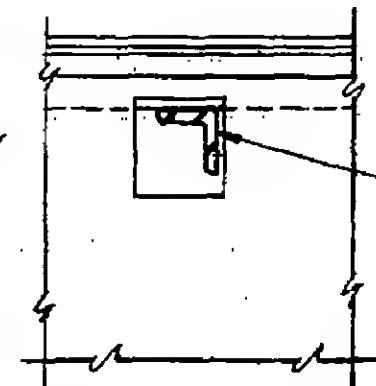
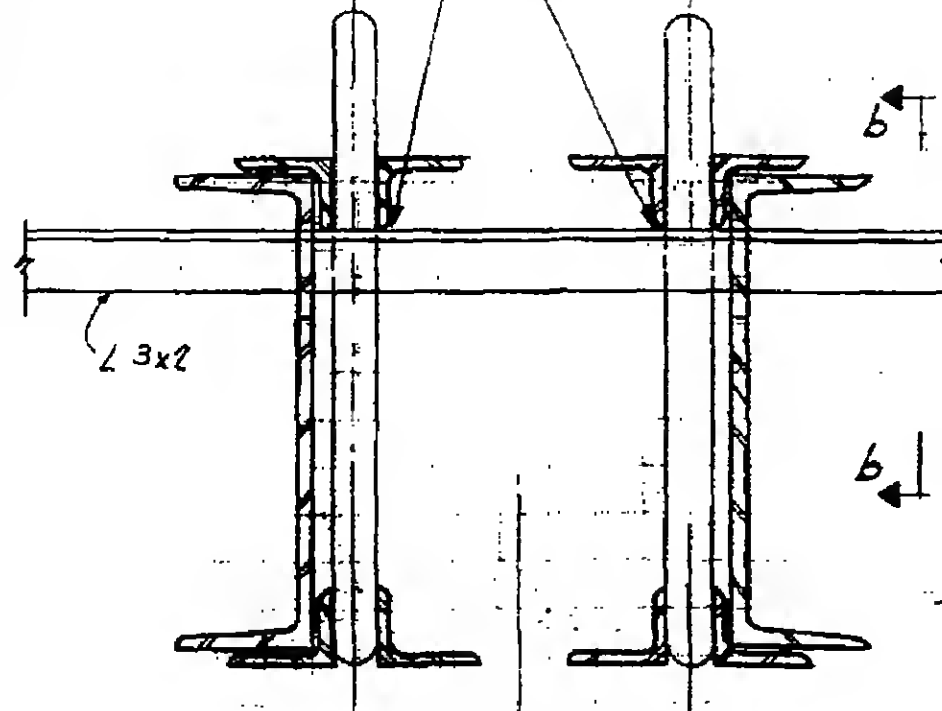


NTC 223.00 1/4 V 2 (Det. E26 only.)

Detail E 25



Section a-a



Section b-b

1/4 V 3 WTC 223.00 + Gap (Det. E26 B only.)

Detail E26 & E26 B



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

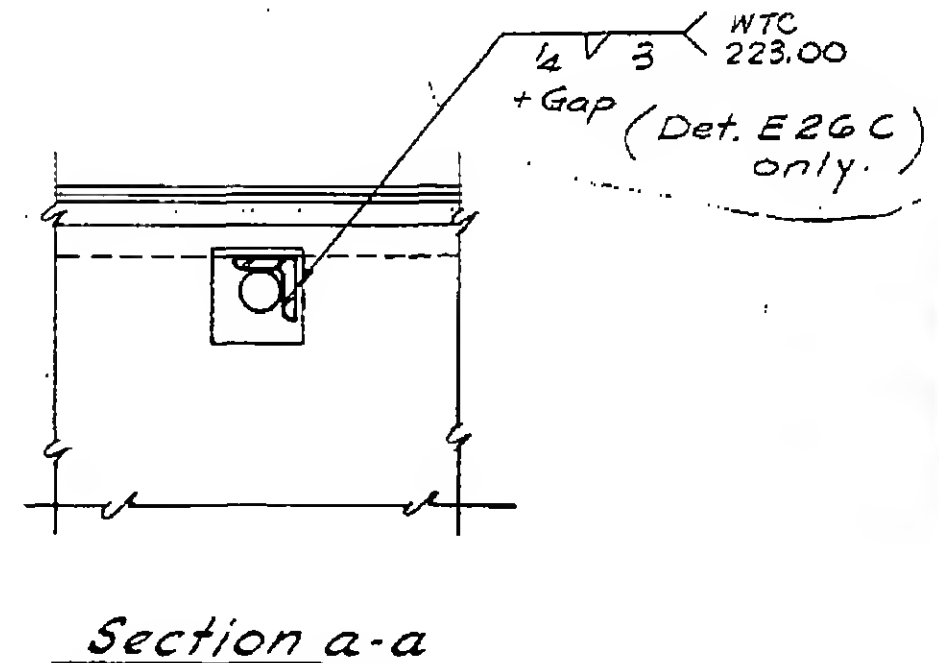
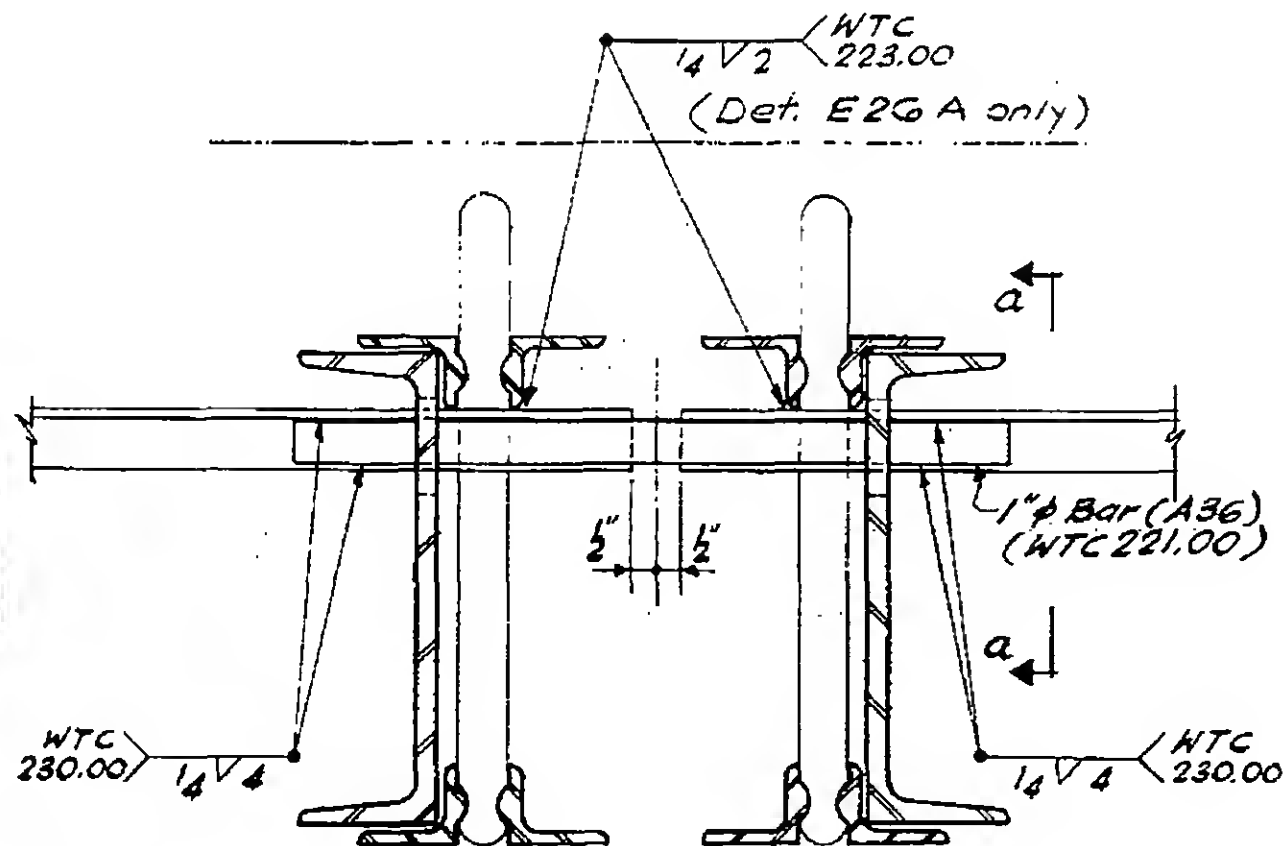
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E26A & E26C

DATE 8-1-68

REVISIONS

10-4-68



DESIGNED

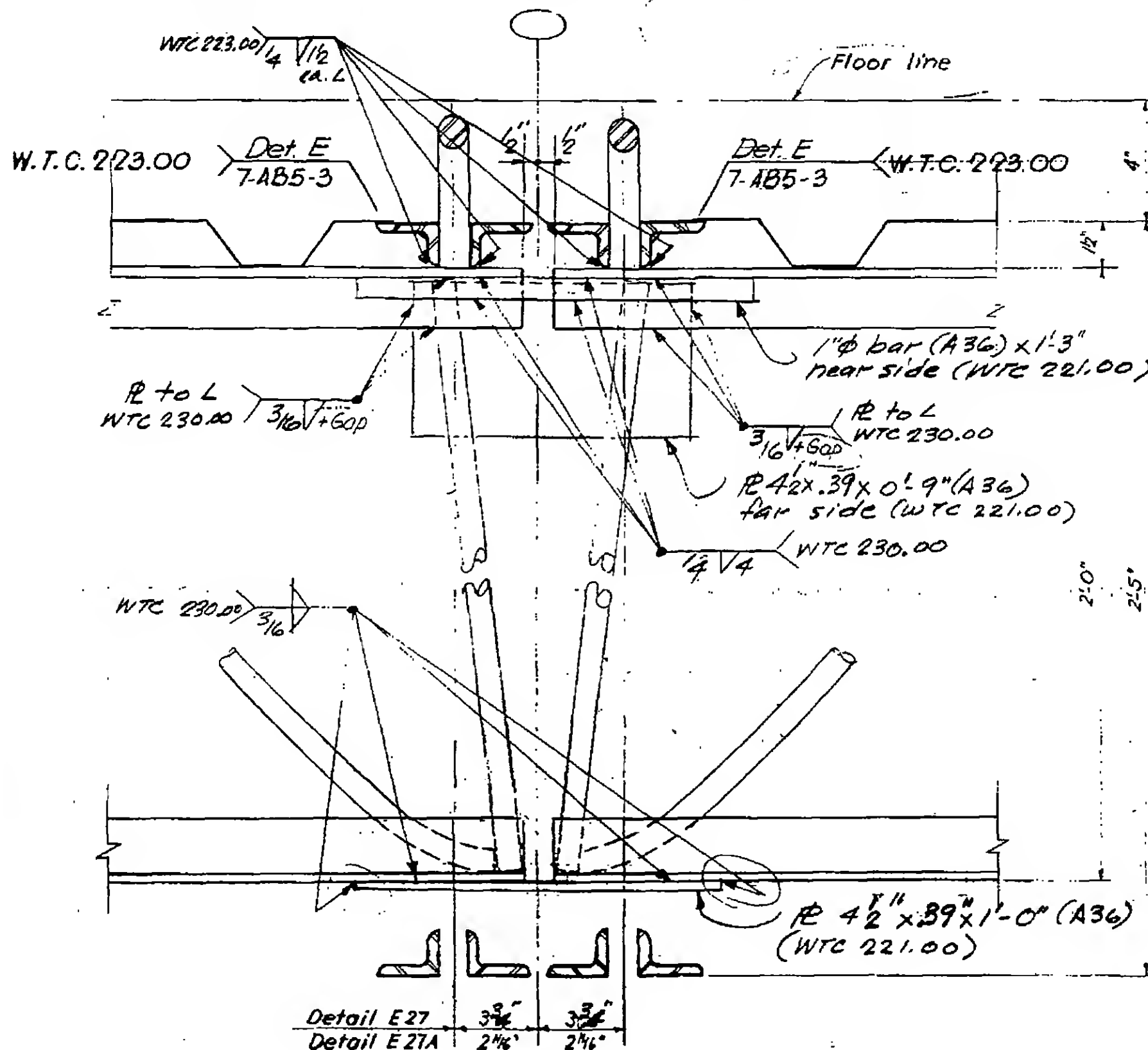
DRAWN

REVIEWED

7-AB4-15.2

REVISIONS

1-3-68
5-6-68
7-22-68



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

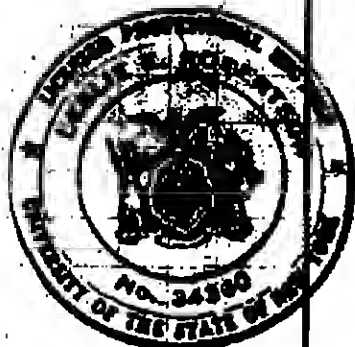
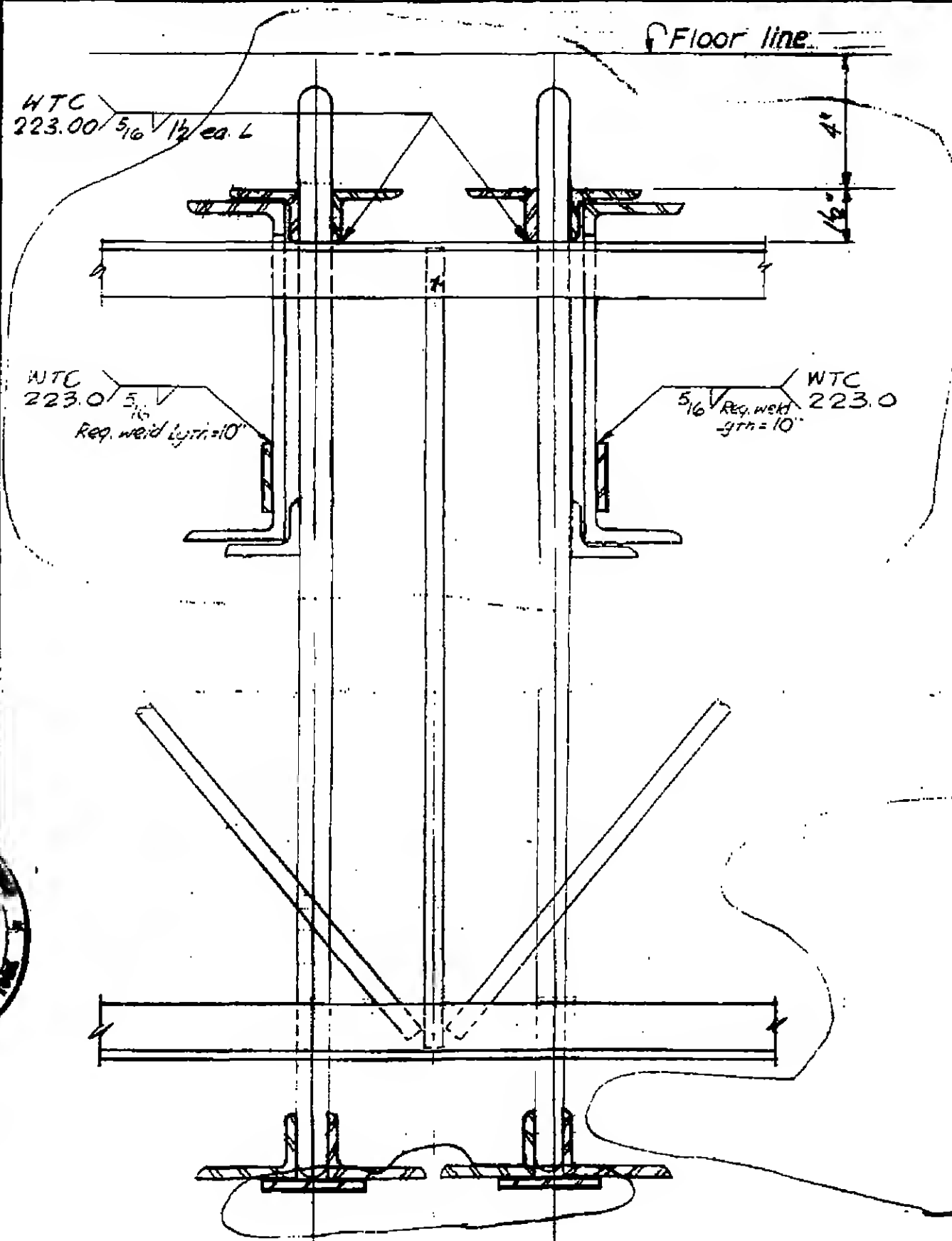
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E-20

DATE 1-5-68

REVISIONS

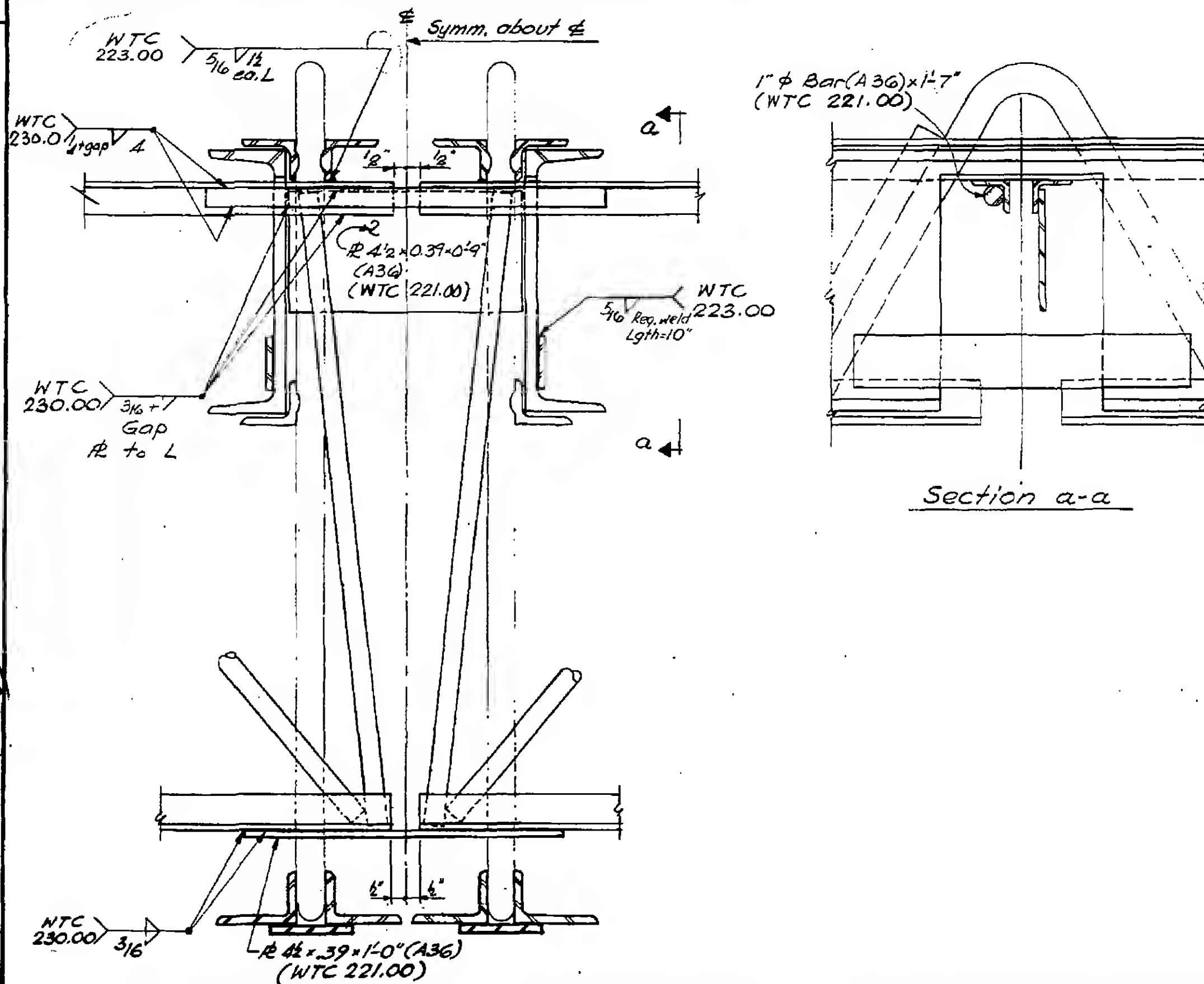
8-1-68
8-15-68
10-4-68



7-484-17

REVISIONS

15-68
10-4-68



DELETED

DRAWN

REVIEWER

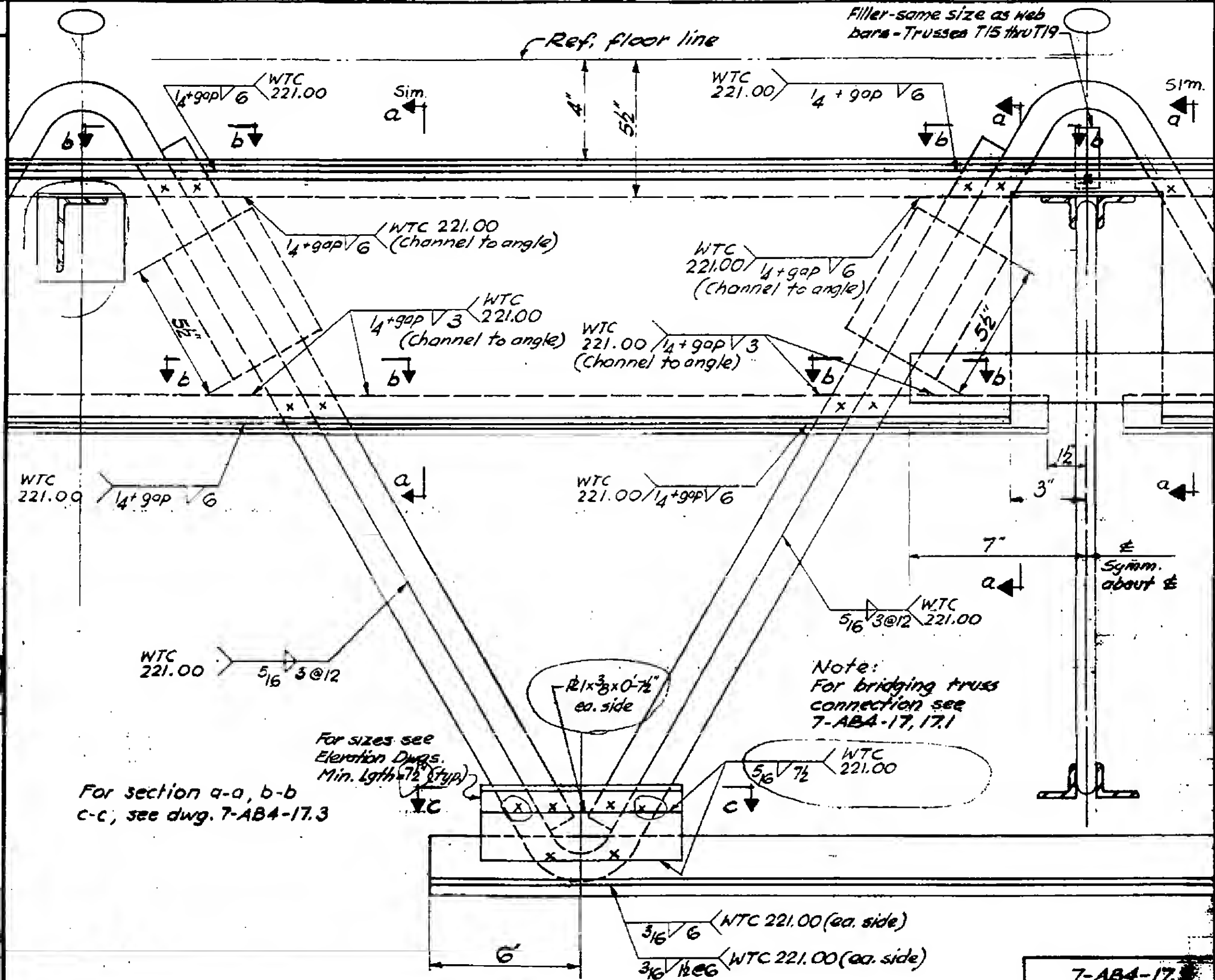
7-AB4-17.1

Structural & Civil Engineers

TITLE FLOOR PANEL - DETAIL E28, E28A, E28B, E28D

DATE 8-1-68

15-68
10-4-68
12-20-68



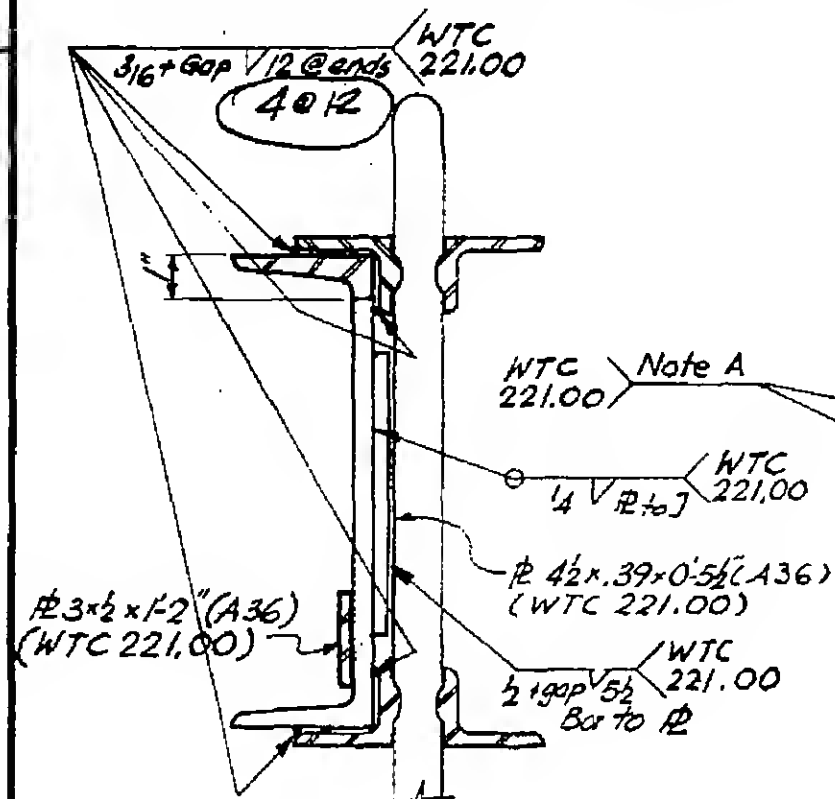
REMARKS:

7-AB4-17.5

REVISIONS

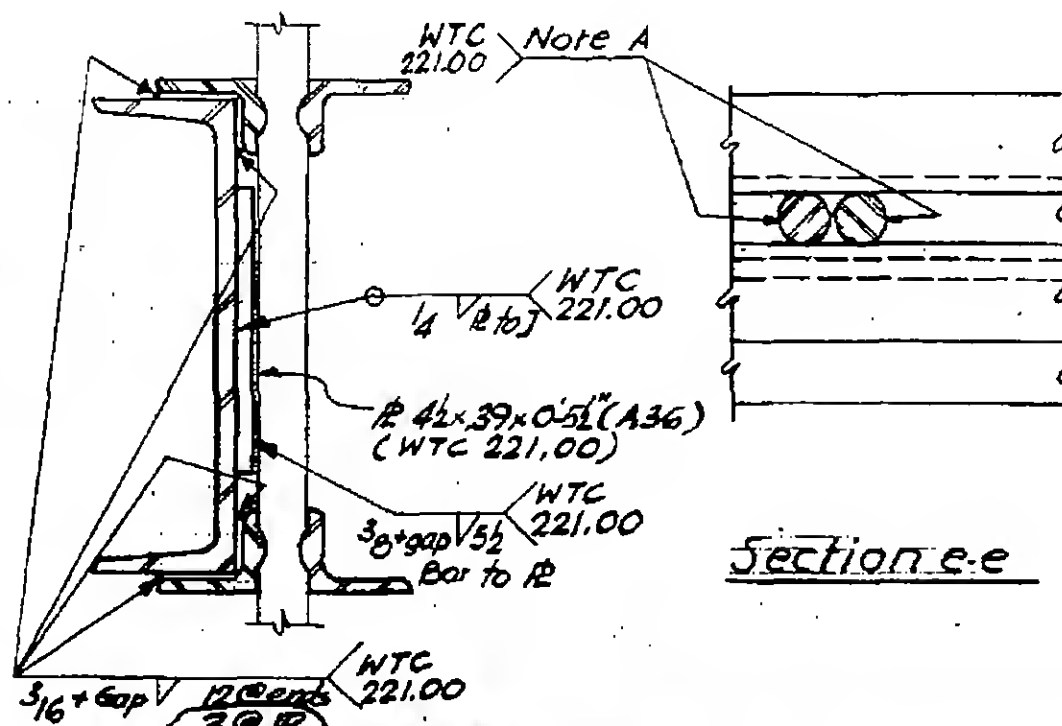
- 15 - 68
 10-4-68
 7-28-70

Note A: Add arc welding as reqd. to develop full strength of web bars.



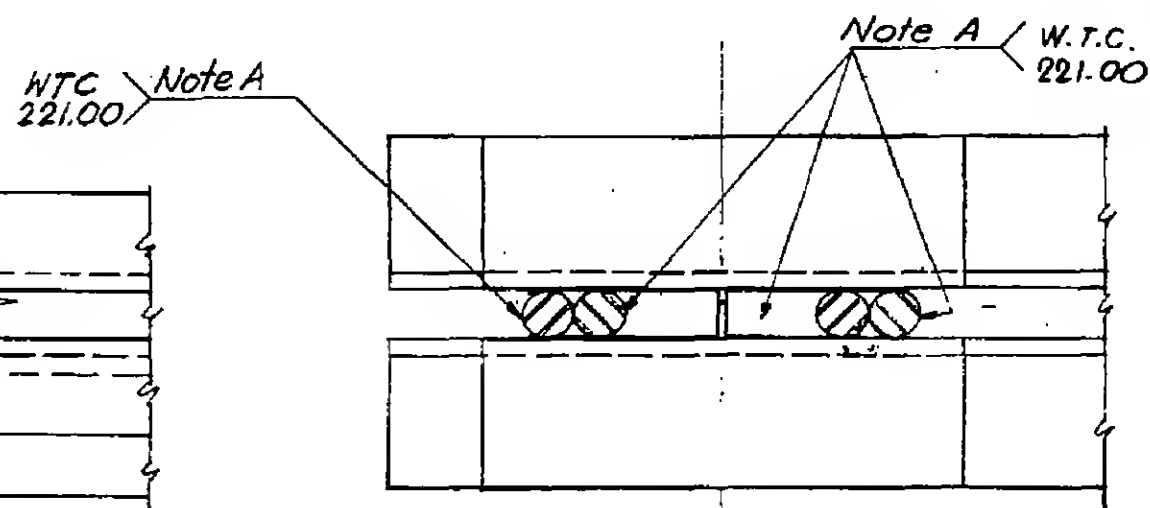
Section a-a

Note: For additional 3 to 7 welding
see detail E28, E28A, E28B, E28D, 7-AB4-17

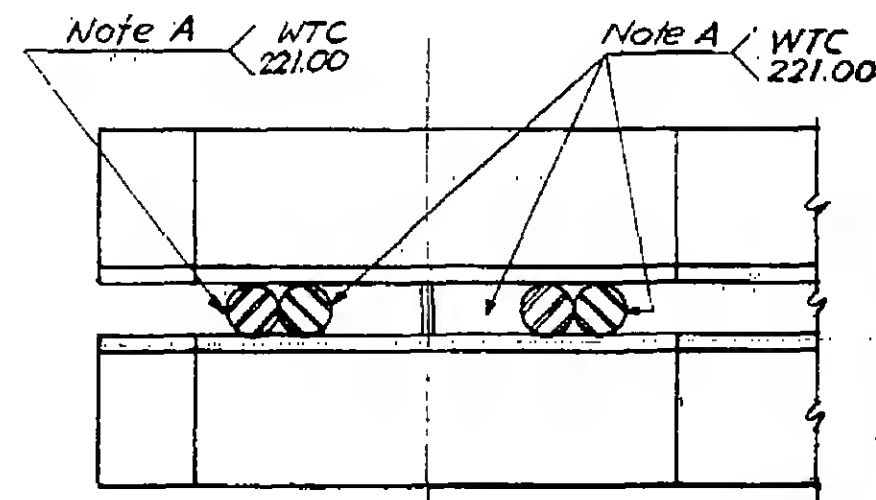


Section d-d

Note: For additional 3 to 7 welding
see detail E28C 7-AB4-17.5



Section c-c



Section f-f



PAUL LANGE

ER&W

RESULTS

7-AB4-

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

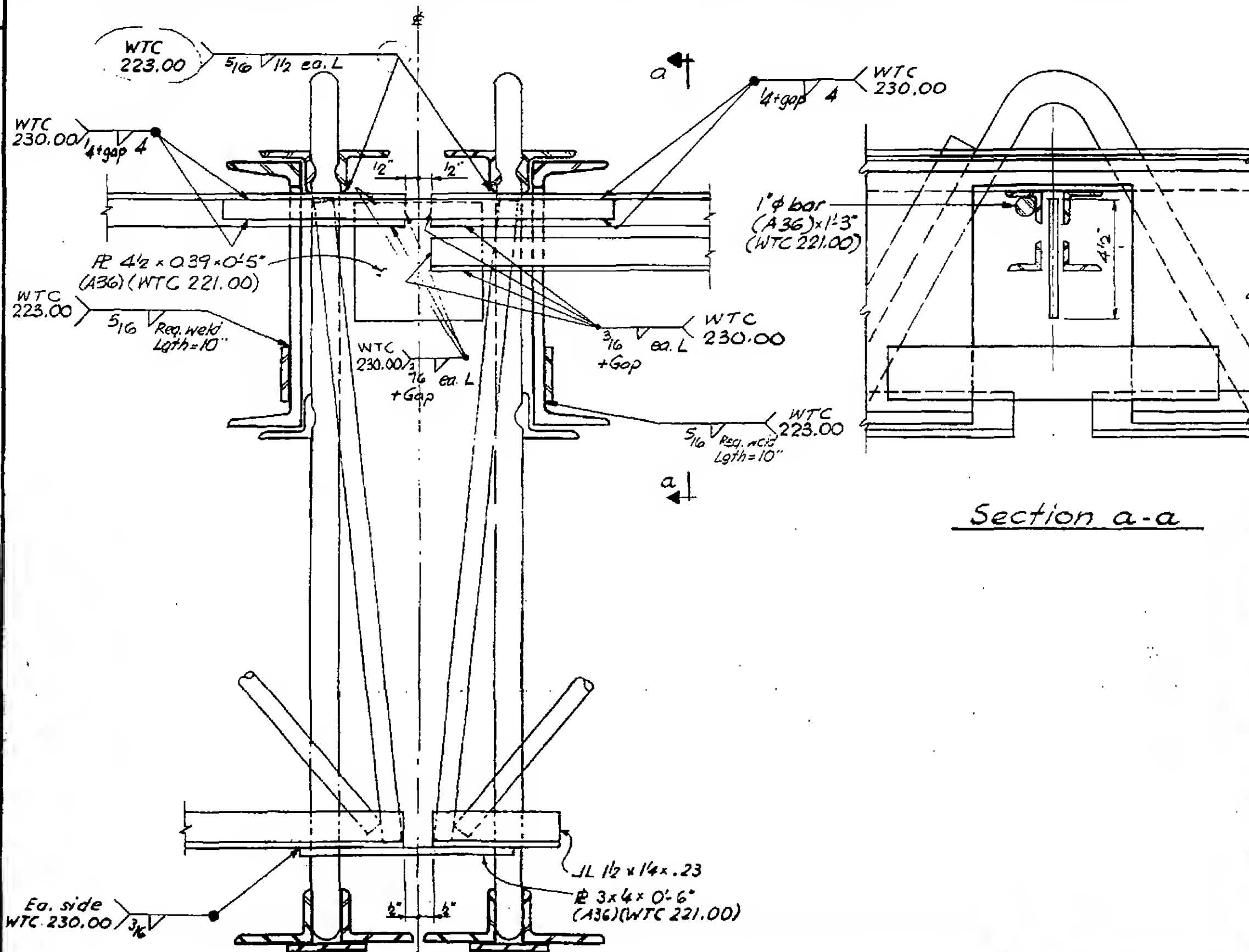
FLOOR PANEL DETAIL E 28 B

DATE

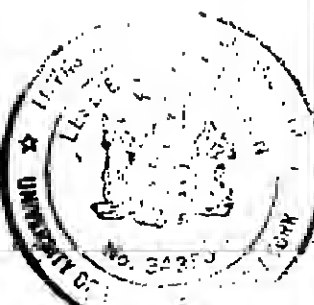
8-1-68

REVISIONS

- 15-68
10-4-68



Section a-a



DESIGNER

BEACH

購買請認明

7-AB4-17.4

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

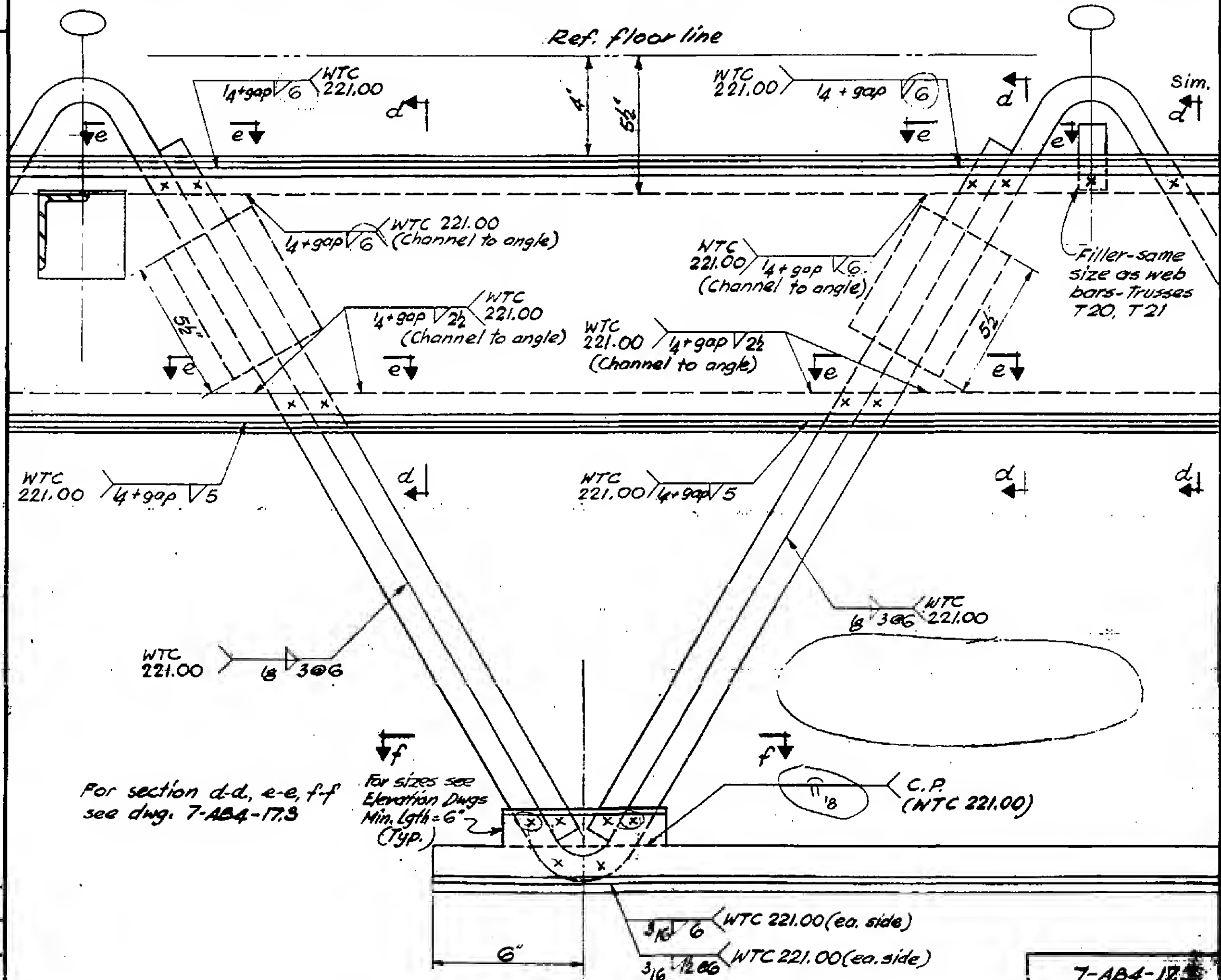
FLOOR PANEL - DETAIL E28C

DATE

8-1-68

REVISIONS

- 15 - 68
10-4-68



DESIGNED

DRAWN

REVIEWED

7-AB4-17.9

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

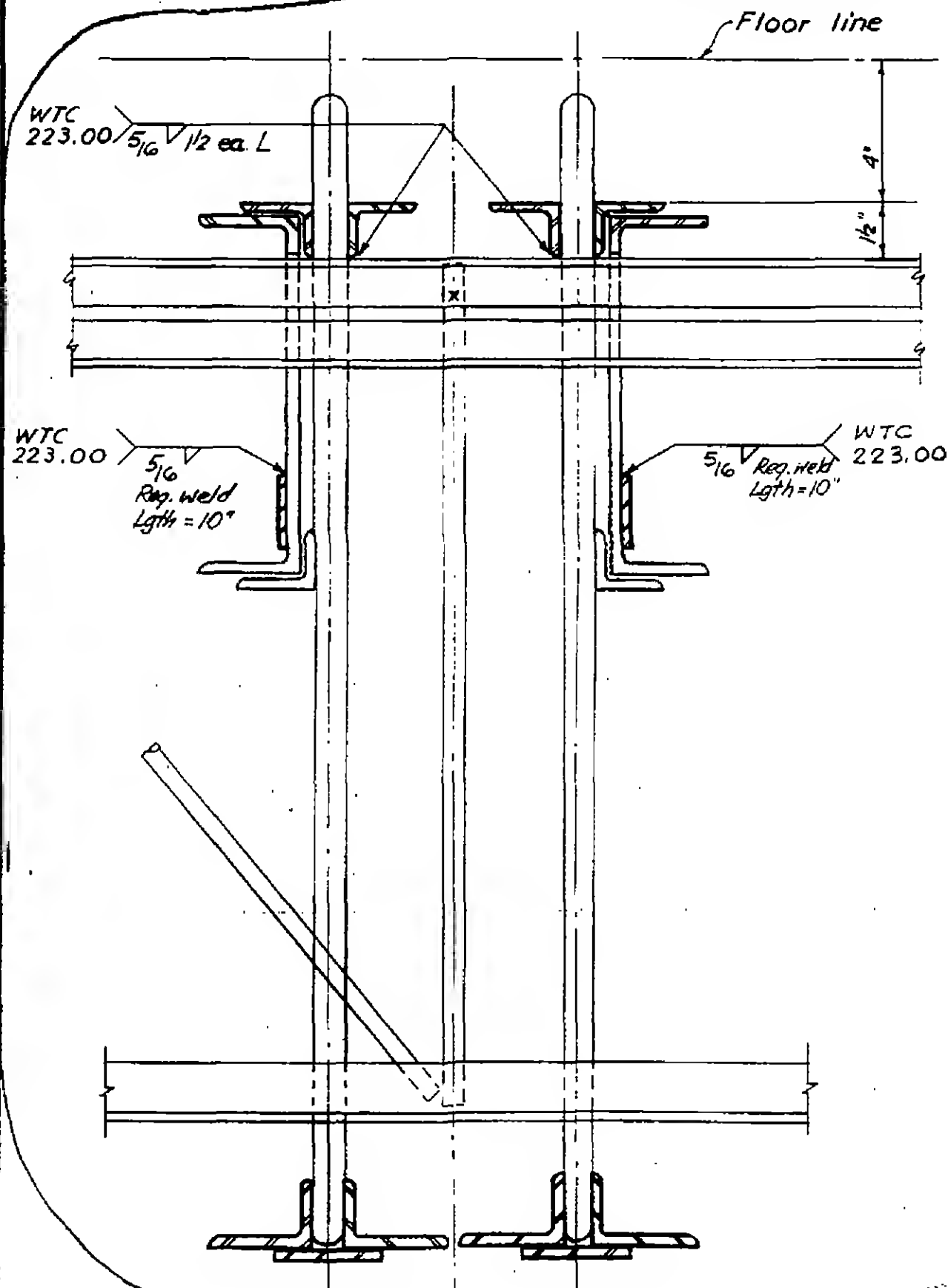
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E28 D

DATE 8-1-68

REVISIONS

10-4-68



DESIGNED

DRAWN

REVIEWED

7-AB4 -17.6

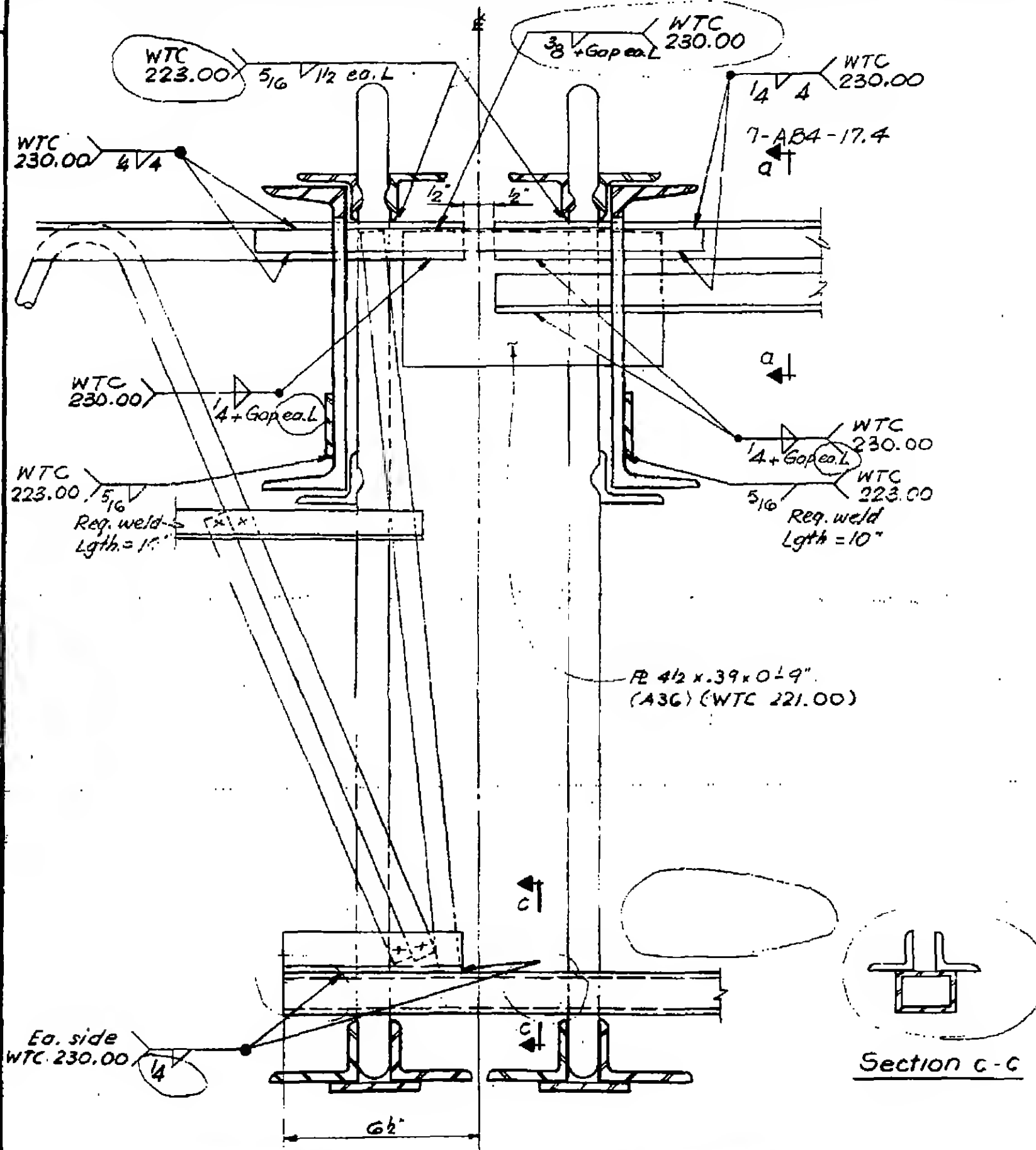
Structural & Civil Engineers

TITLE FLOOR PANEL DETAIL E 28 E

DATE 8-15-68

REVISIONS

10-4-68



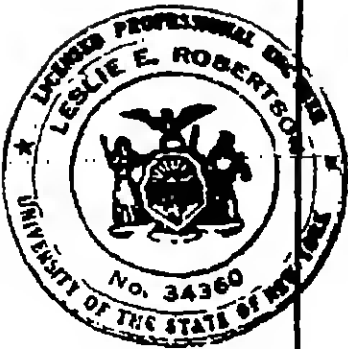
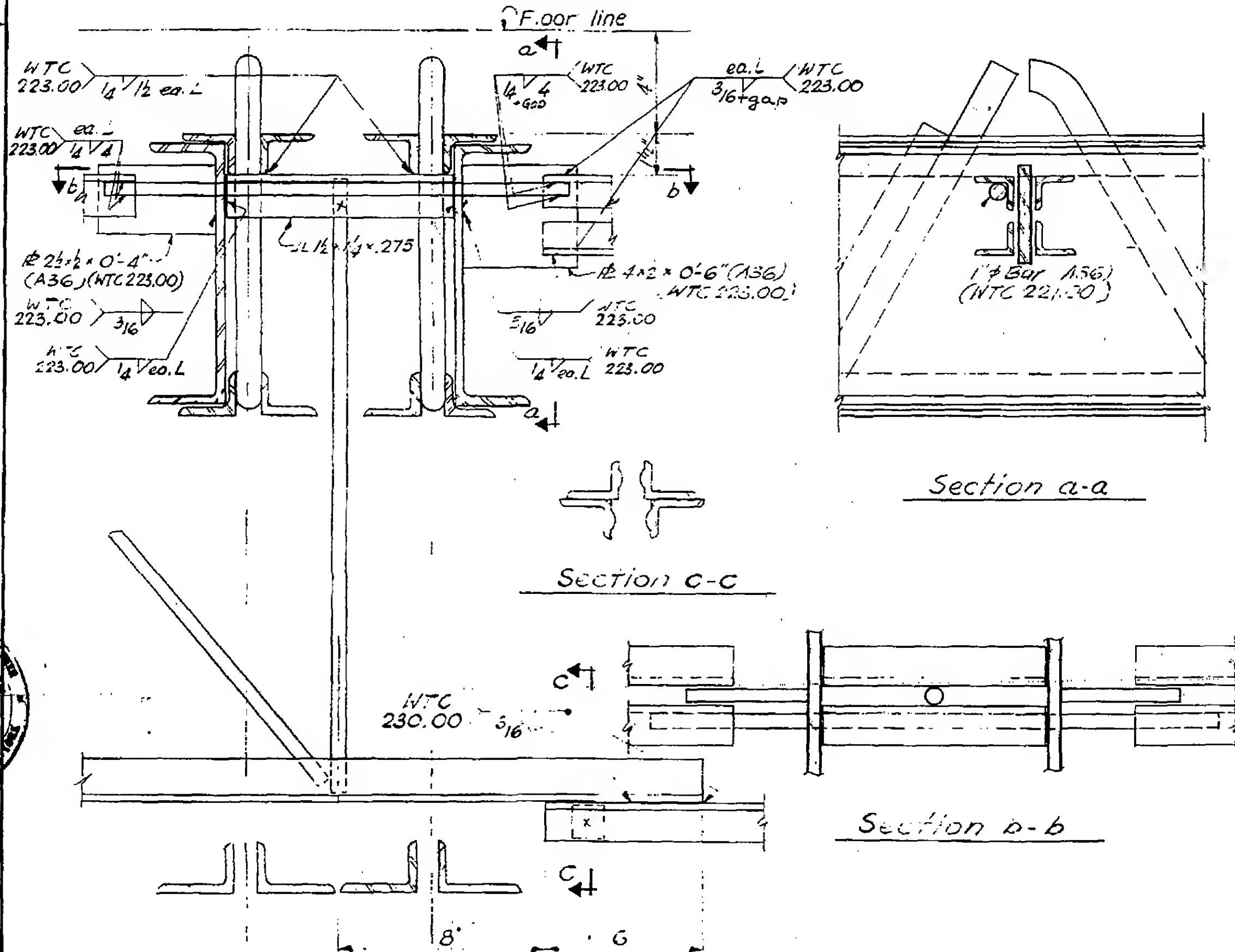
DESIGNED

PLAY IN

REVIEWED

7-AB4-17.7

REVISIONS



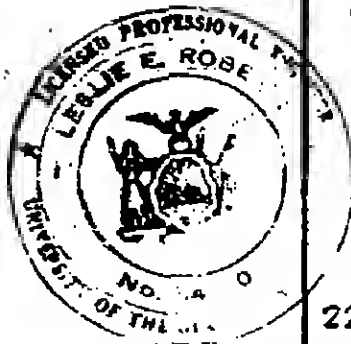
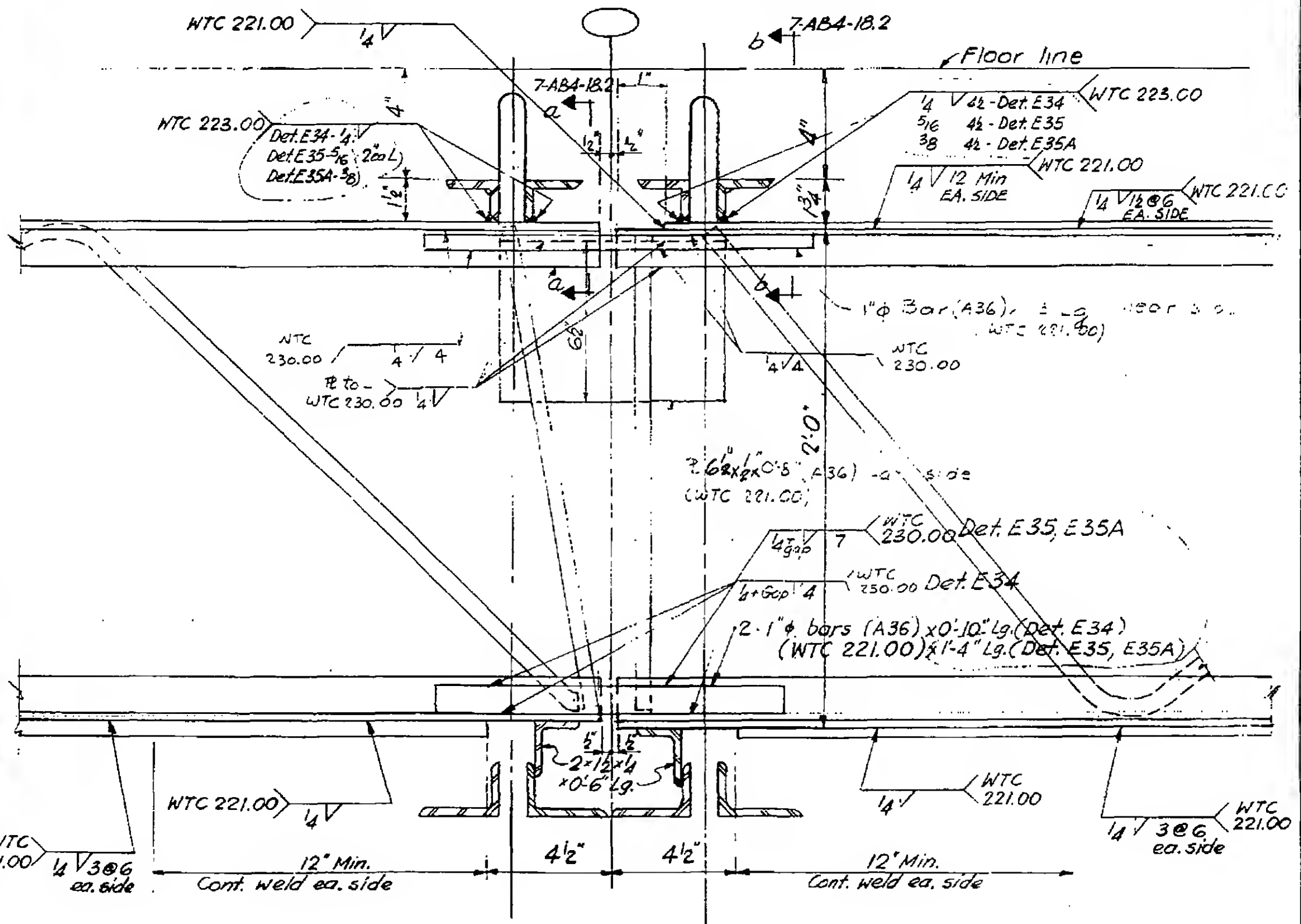
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAILS E34, E35, E35A

DATE 1-3-68

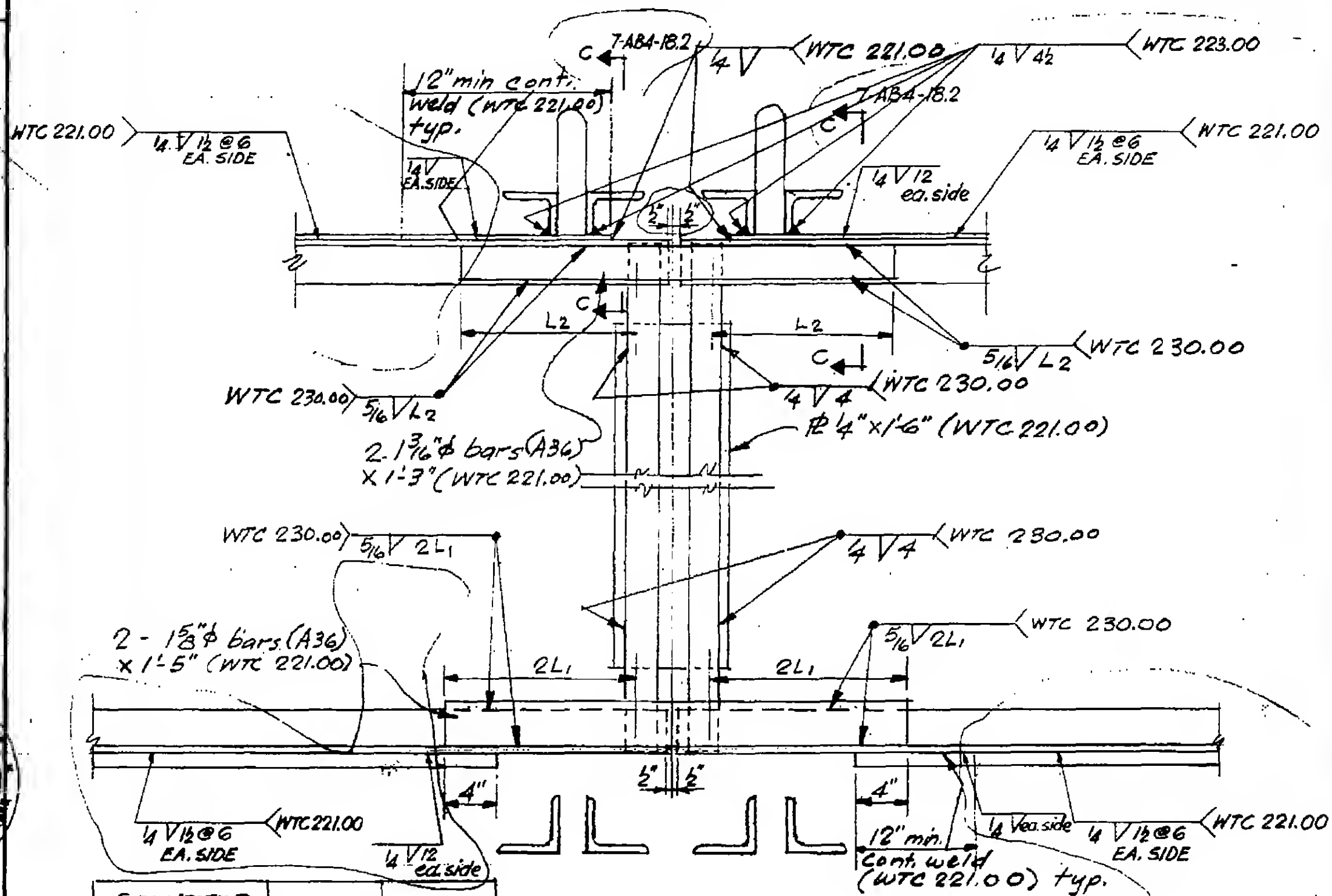
REVISIONS

4-1-68
5-6-68
7-22-68
1-6-69



REVISIONS

7-22-68

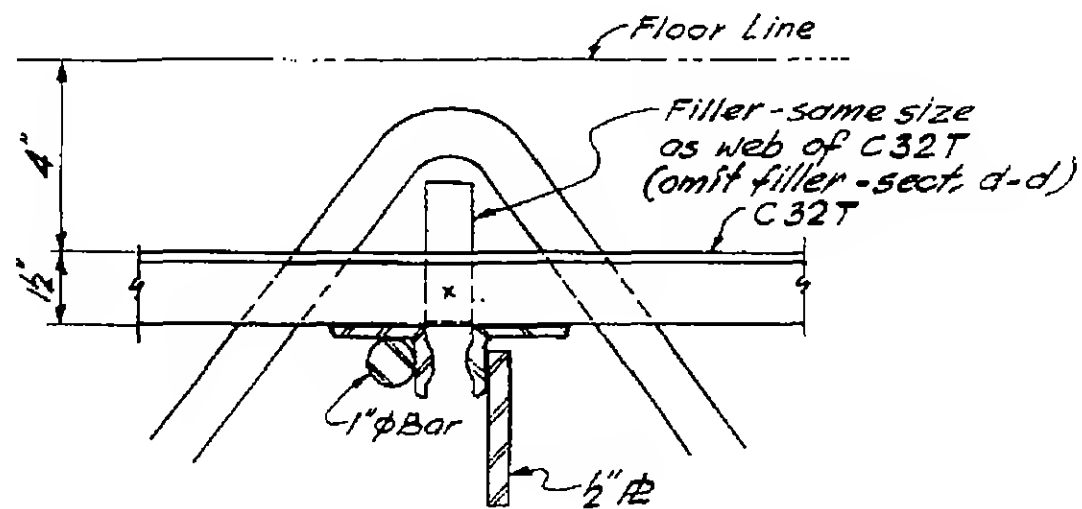


CONNECTED TRUSSES	2L1	L2
24T7A-T8A	7 1/2"	4"
24T7-T8	7"	3 3/4"
24T7B-8B	6 1/2"	3 1/8"

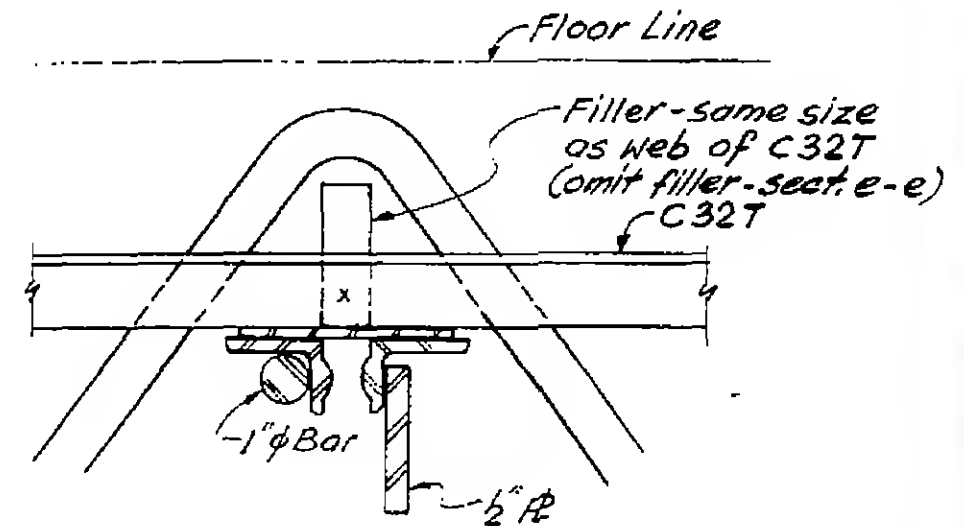


7-AB4-18.1

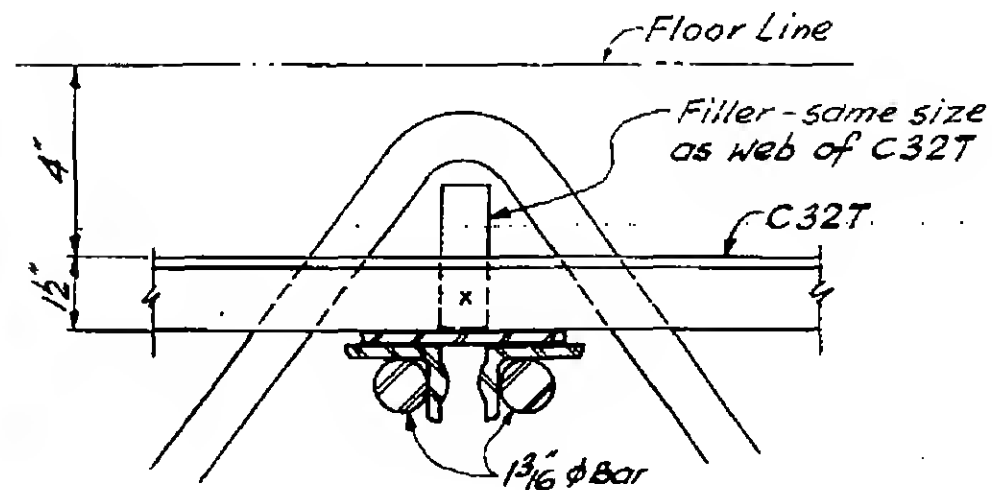
REVISIONS



Section a-a
Section d-d-similar
except as noted



Section b-b
Section e-e-similar
except as noted



Section c-c



DECEMBER 1982

DRAFT

REVIEWED

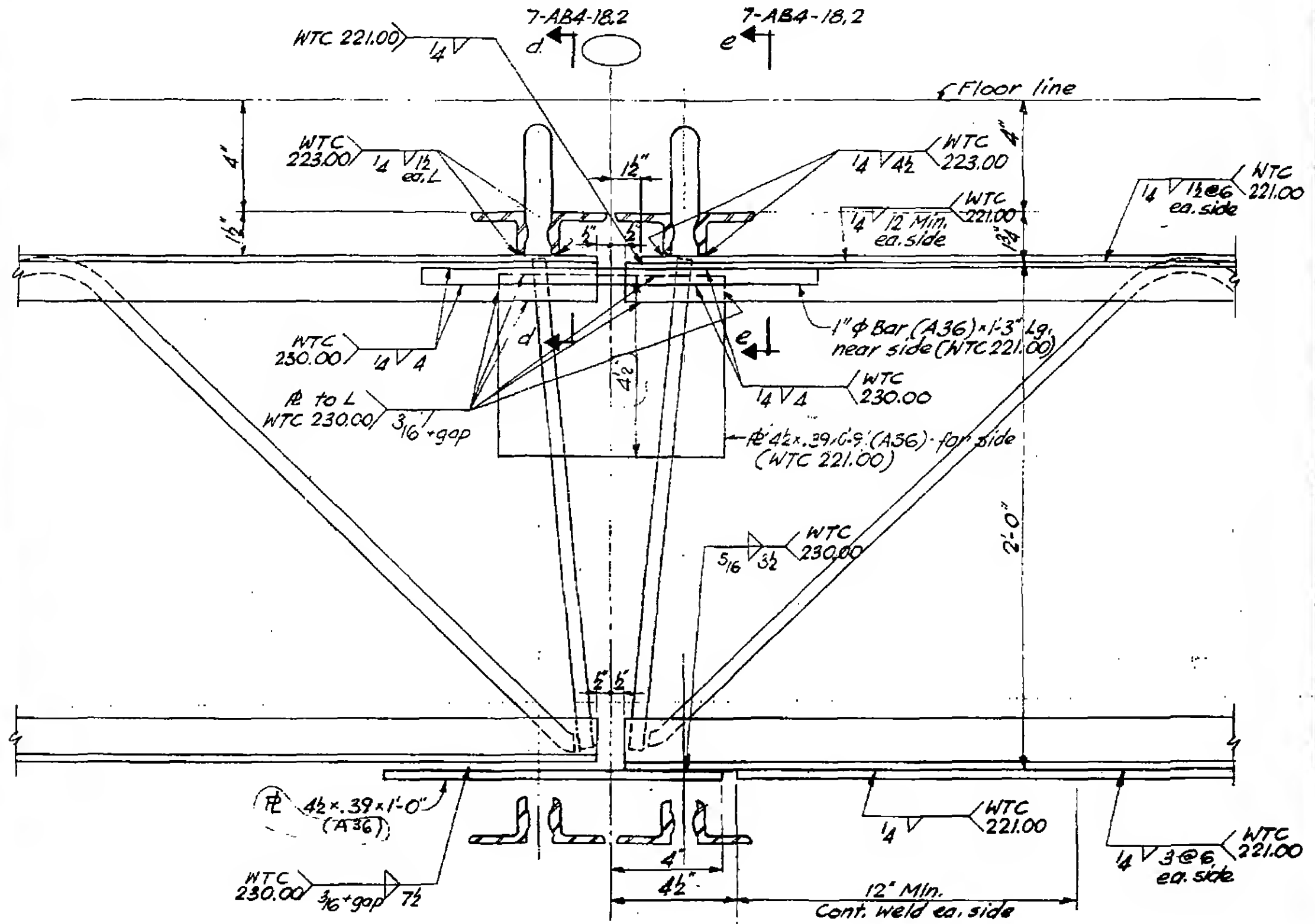
70

7-AB4-18.2

REVISIONS

10-15-68

12-20-68



DECLASSIFIED

DRAWN.

REVIEW

21

7-AB4-18.3

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

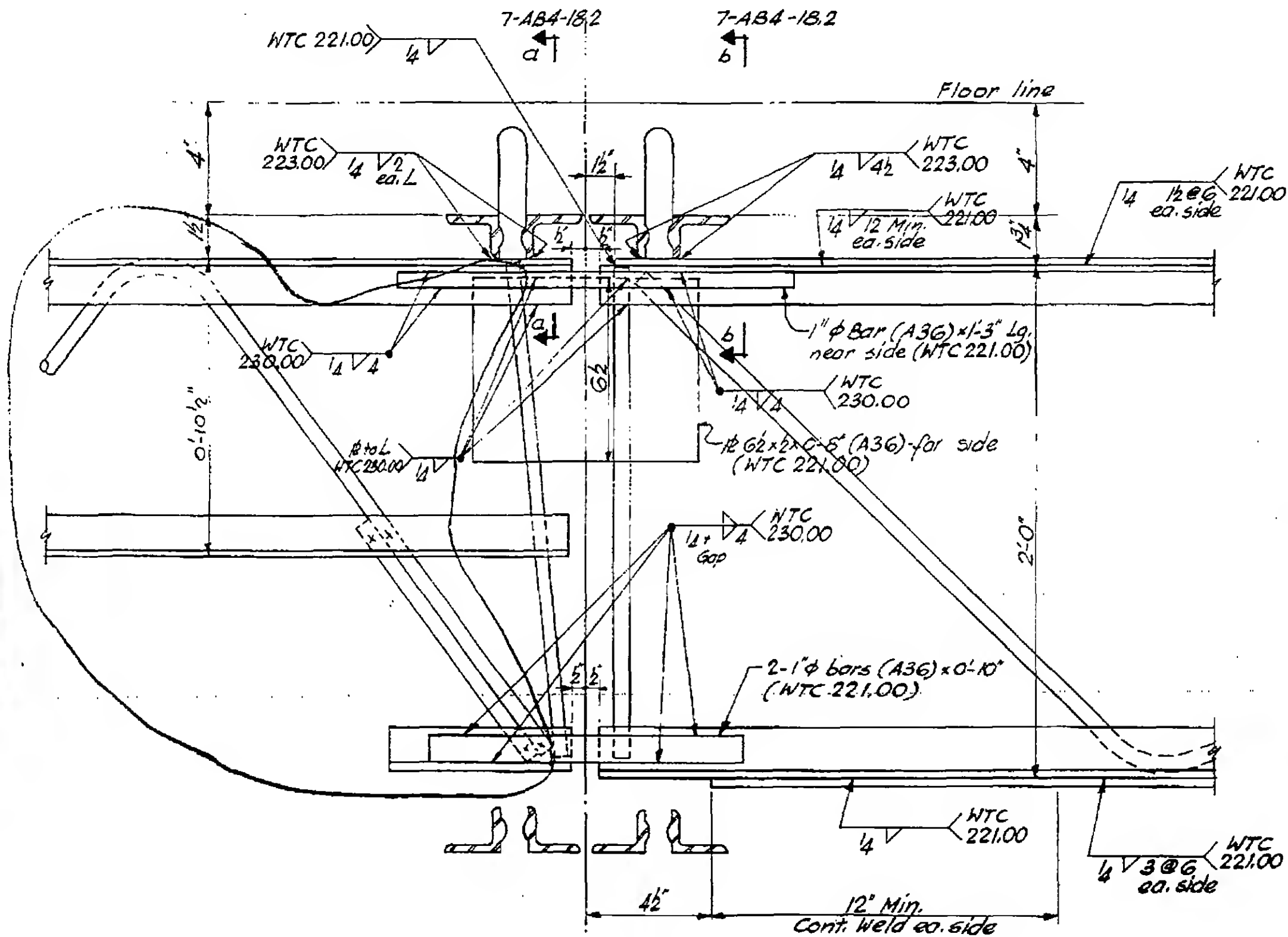
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E 34 B

DATE 8-15-68

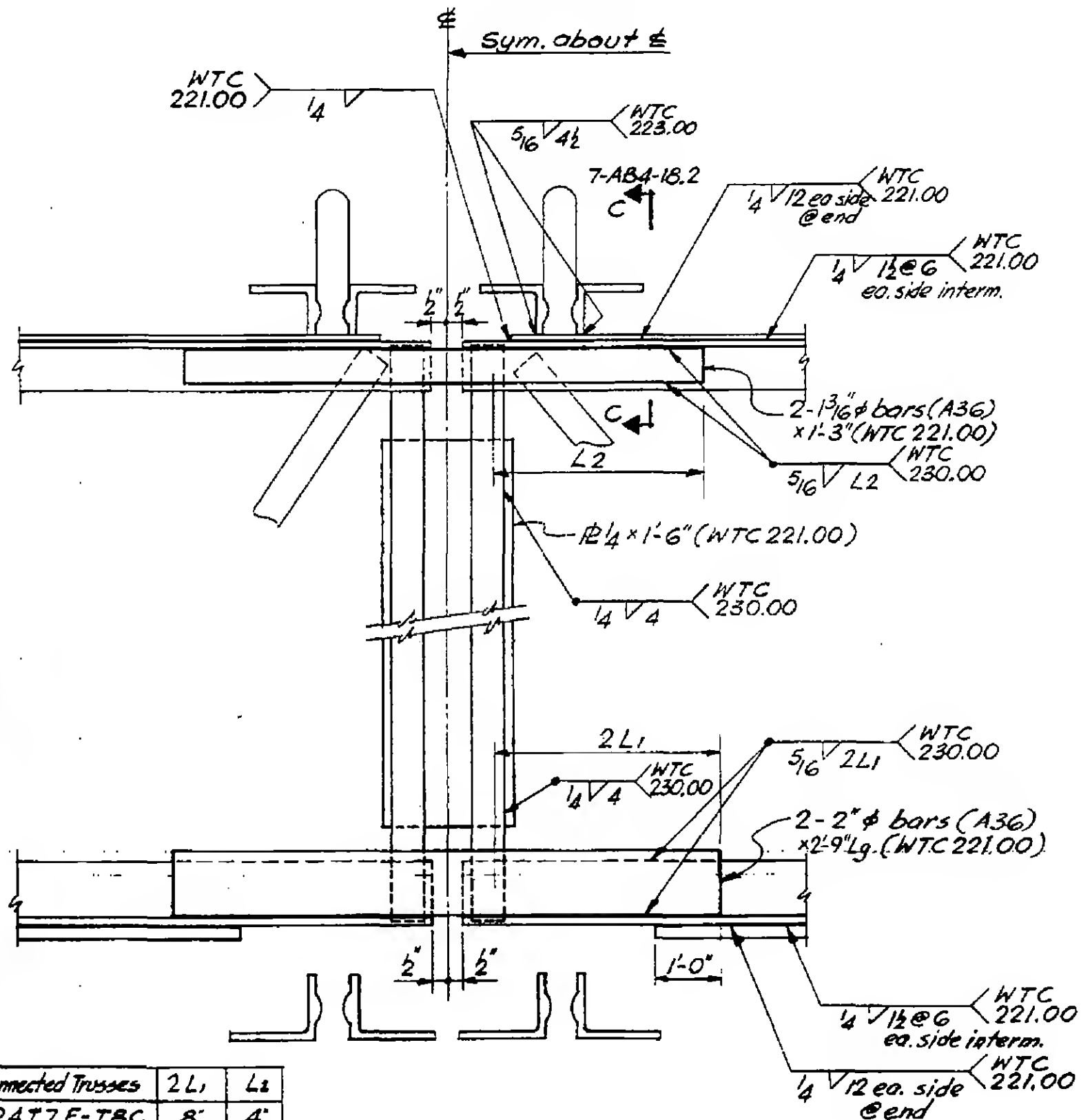
REVISIONS

10-4-68



7-AB4-18.4

REVISIONS



Connected Trusses	2L	L2
24T7F-TBC	8'	4'
24T7G-TBD	10'	4'
24T7H-TBE	9'	4'



DENIED

DRAWN

REVIEWED

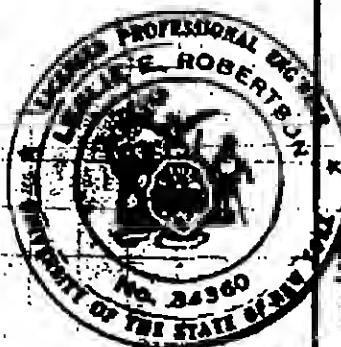
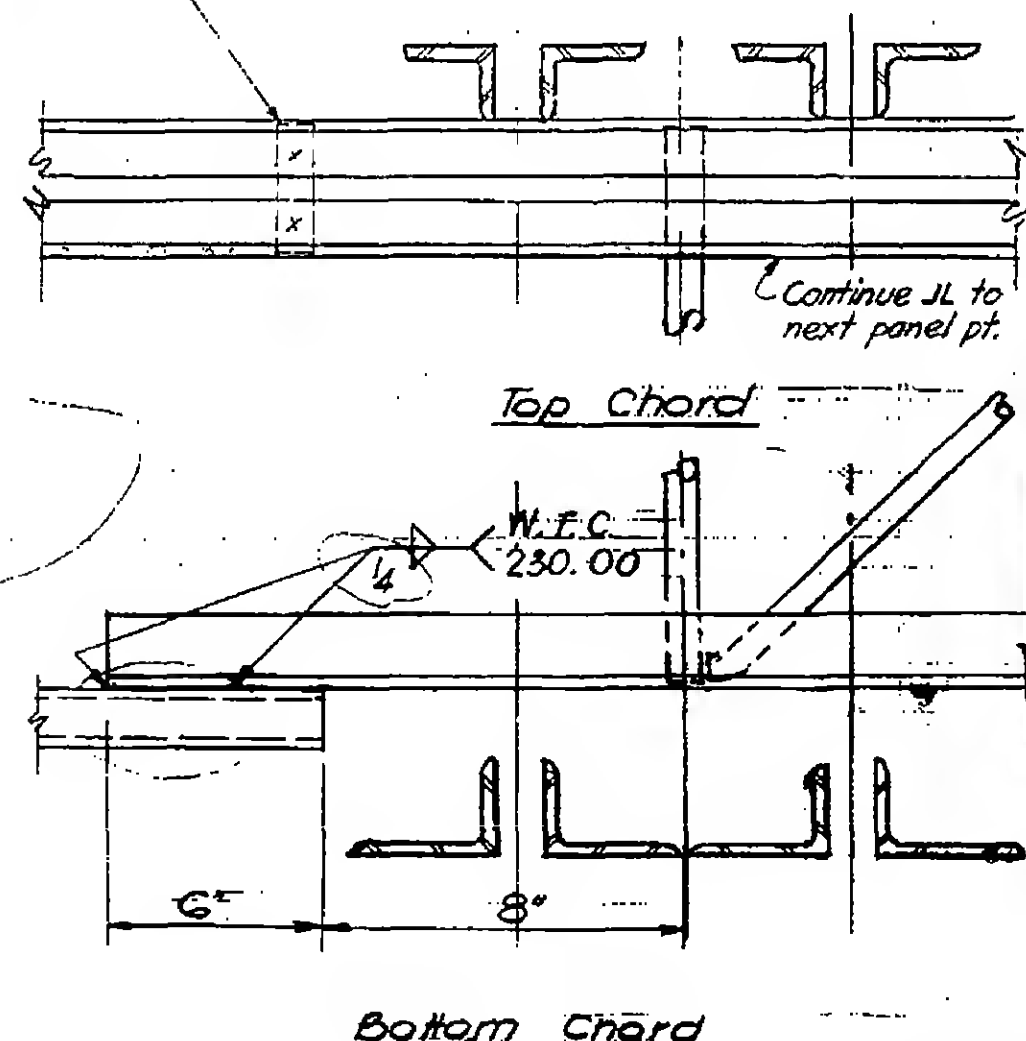
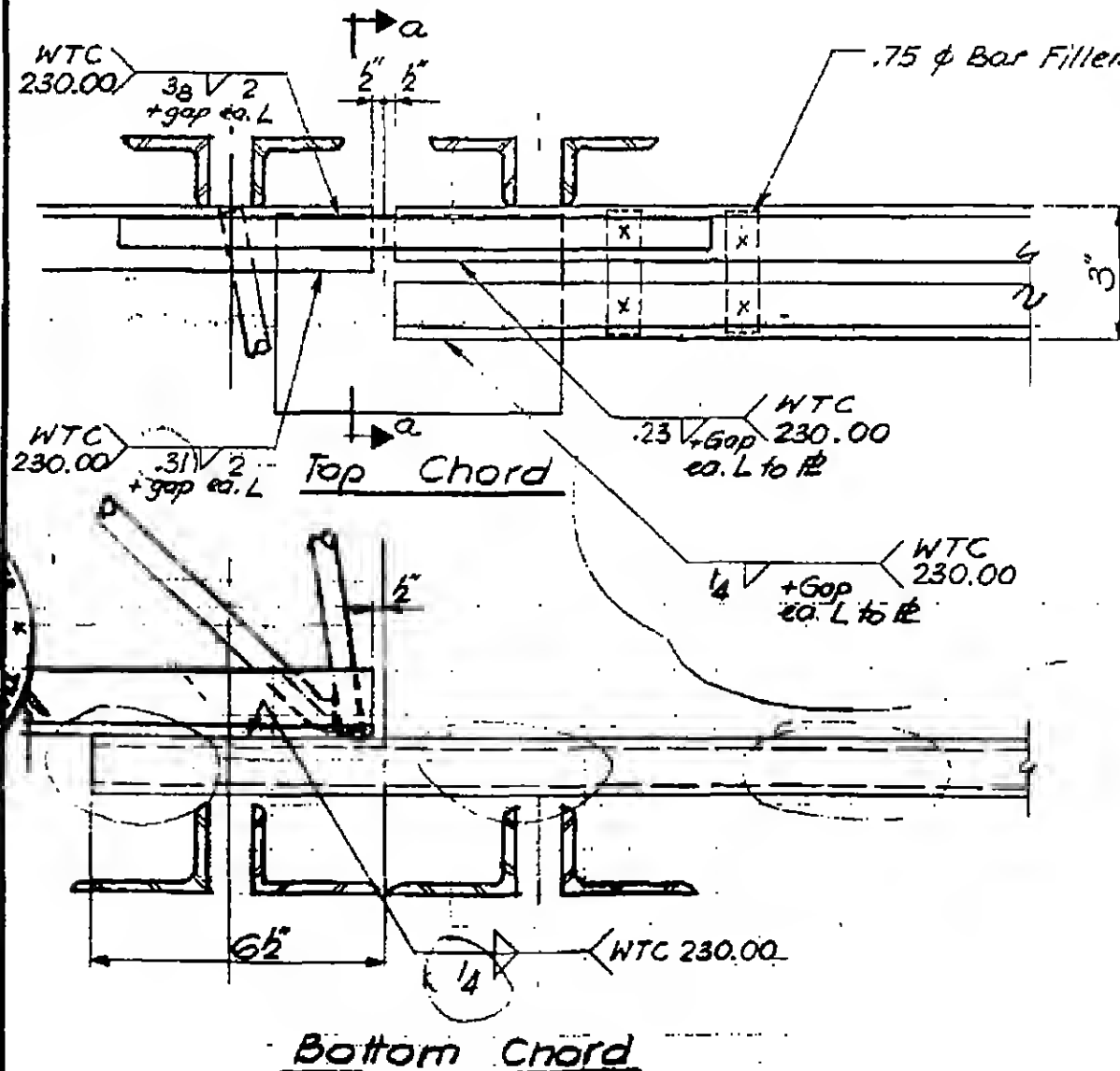
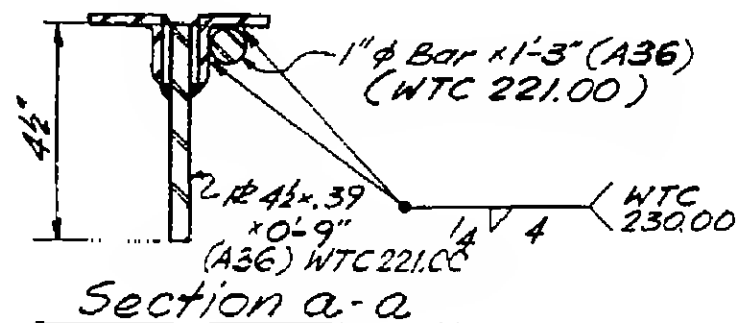
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E38 & E39

DATE 1-5-68

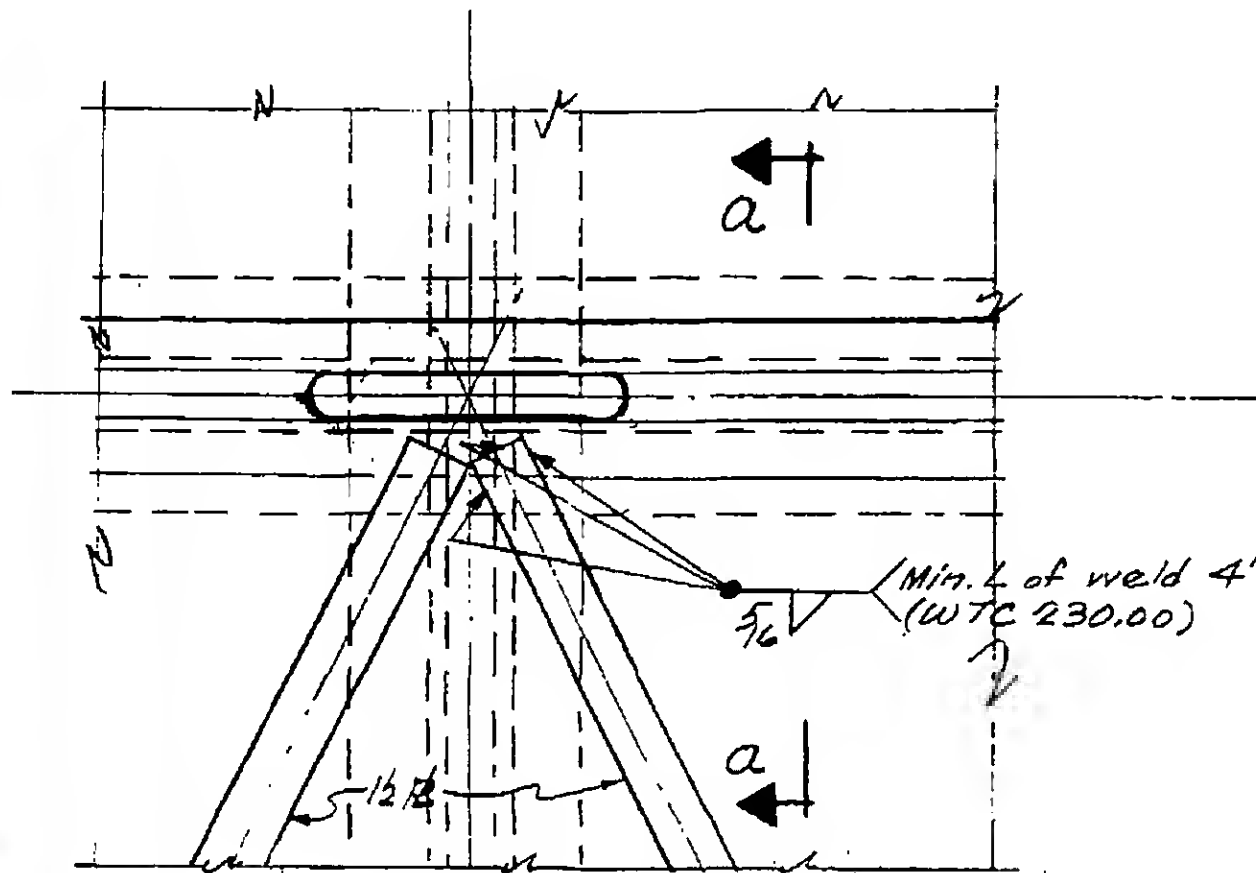
REVISIONS

7-22-68
10-15-68
12-20-68

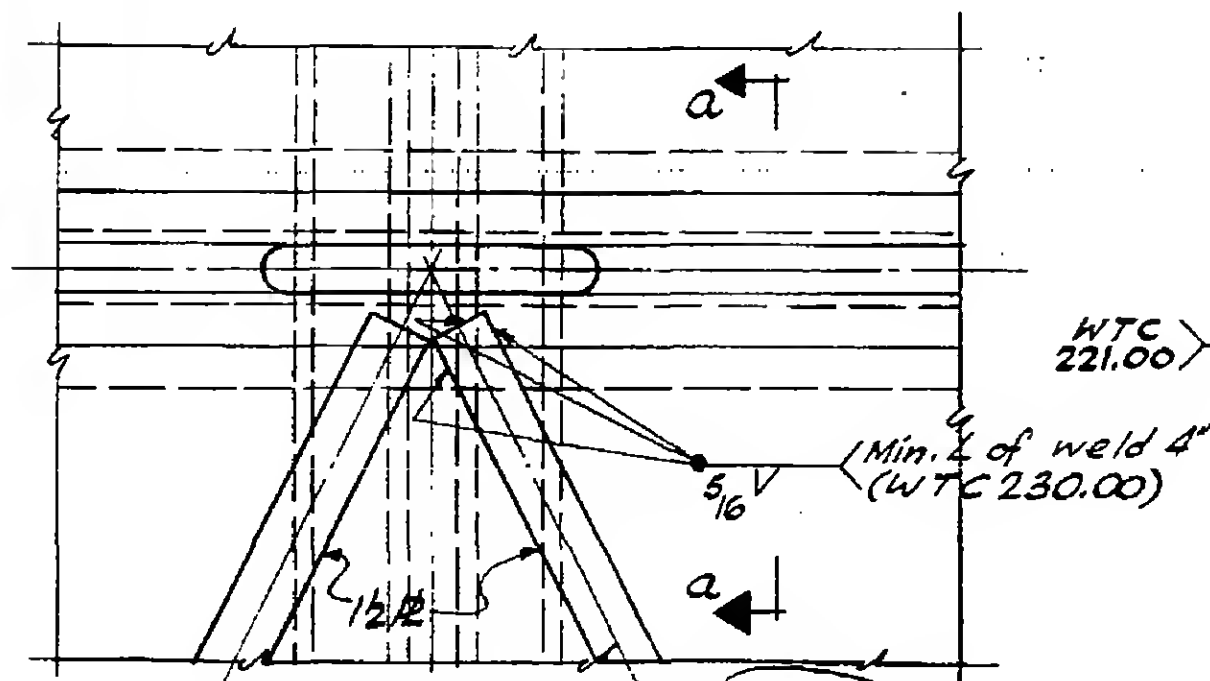


REVISIONS

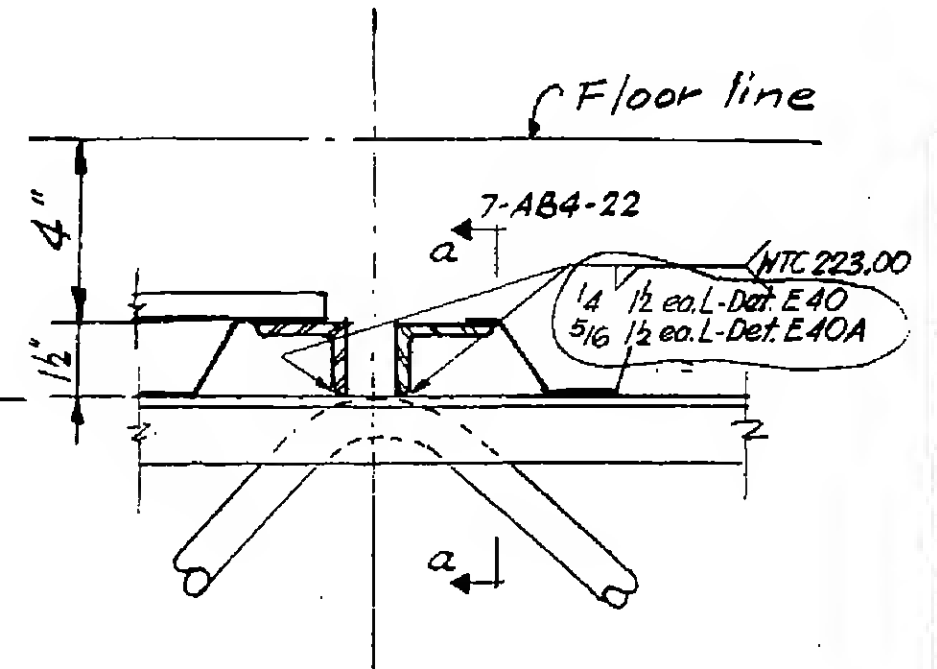
7-22-68
1-6-69



PLAN - DET. E40

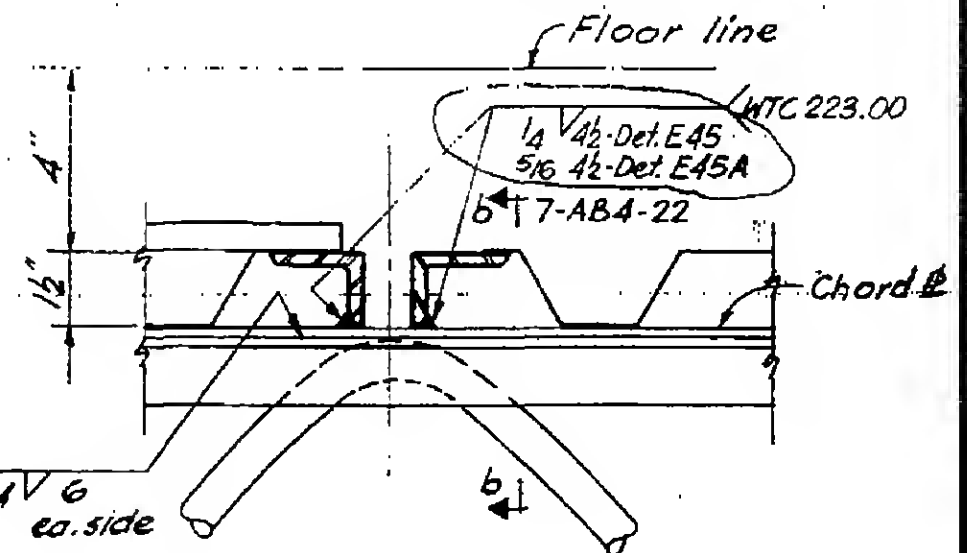


PLAN - DET. E45, E45A



Section a-a

Detail E40, E40A



Section a-a

Detail E45, E45A

7-AB4-21



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

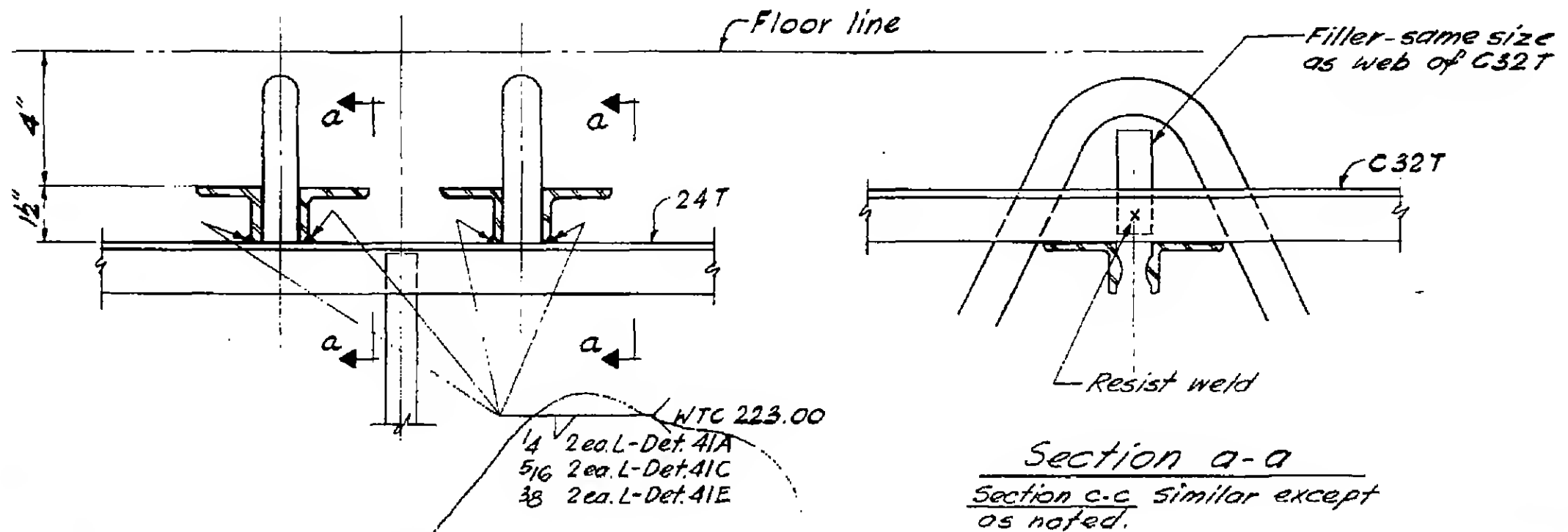
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

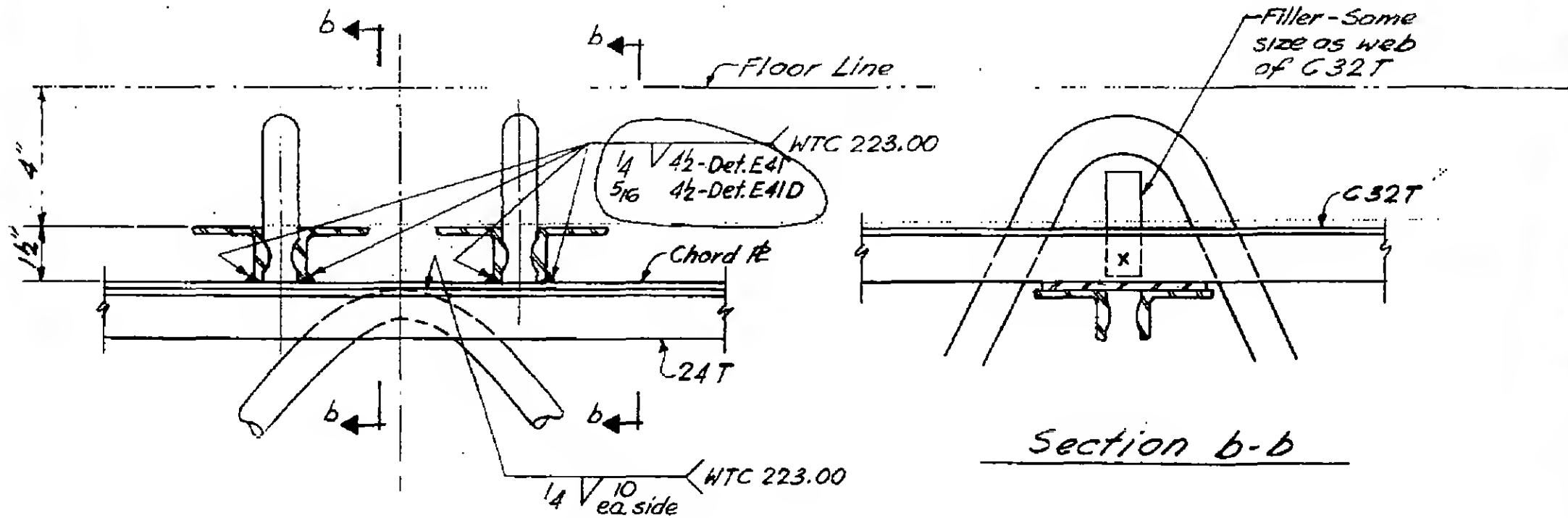
TITLE FLOOR PANEL - DETAIL E4I, E4IA, E4IC, E4IE & E4ID

DATE 1-3-68

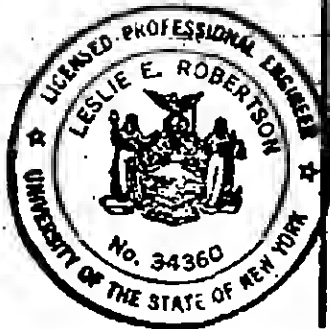
REVISIONS

7-22-68
1-6-69

Detail E4IA, E4IC, E4IE



Detail E4I, E4ID



DESIGNED

DRAWN

REVIEWED

7-AB4-22

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

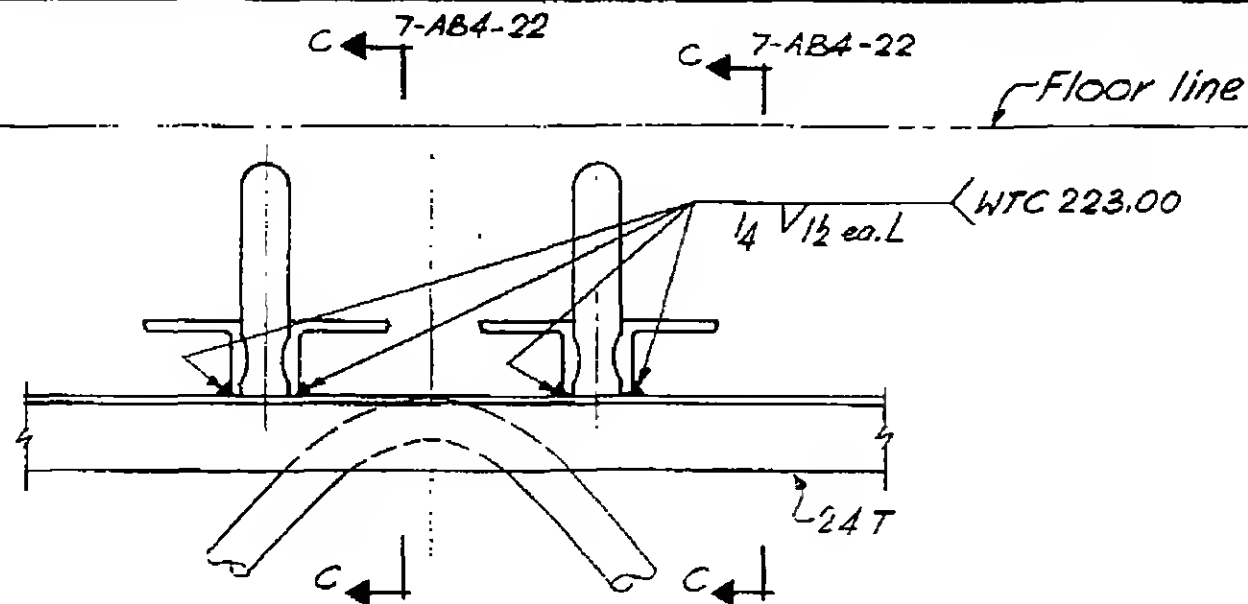
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

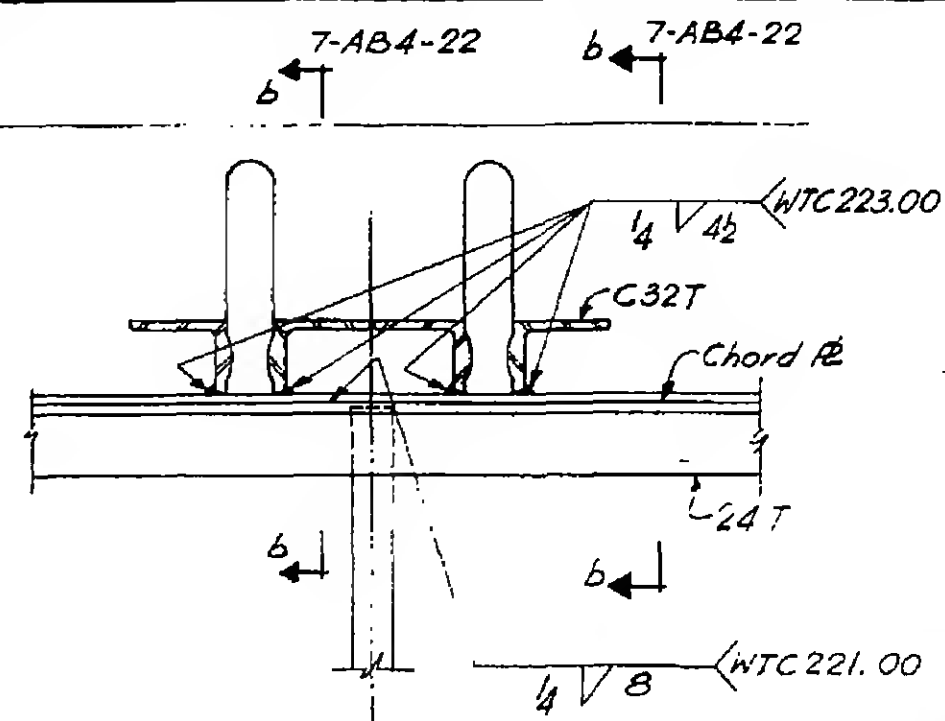
TITLE FLOOR PANEL - DETAIL E 41B & E 46

DATE 7-22-68

REVISIONS



Detail E 46



Detail E 41B



DESIGNED

DRAWN

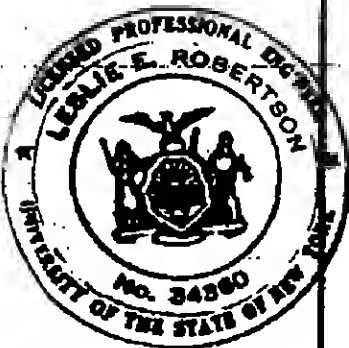
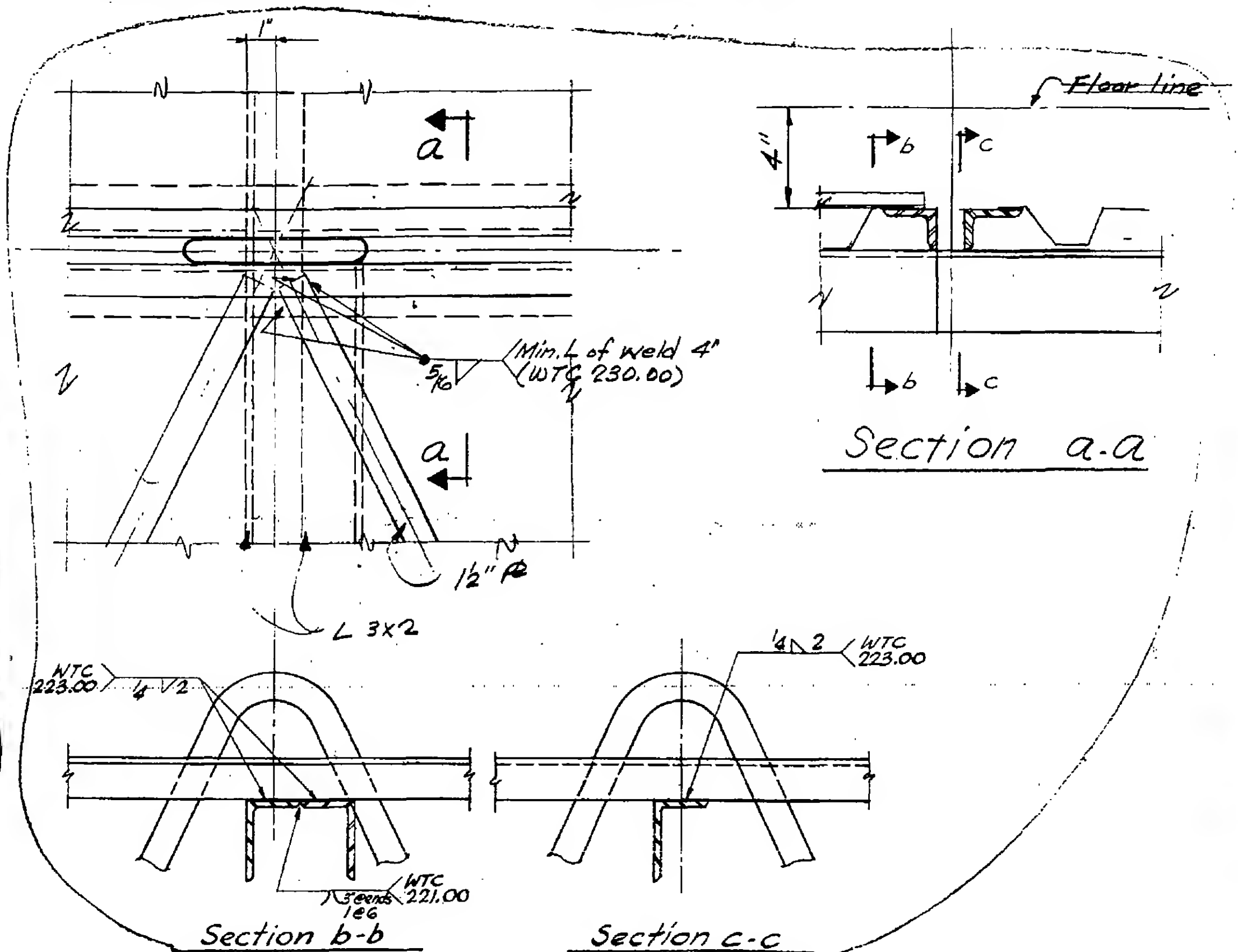
REVIEWED

25

7-AB4-22.1

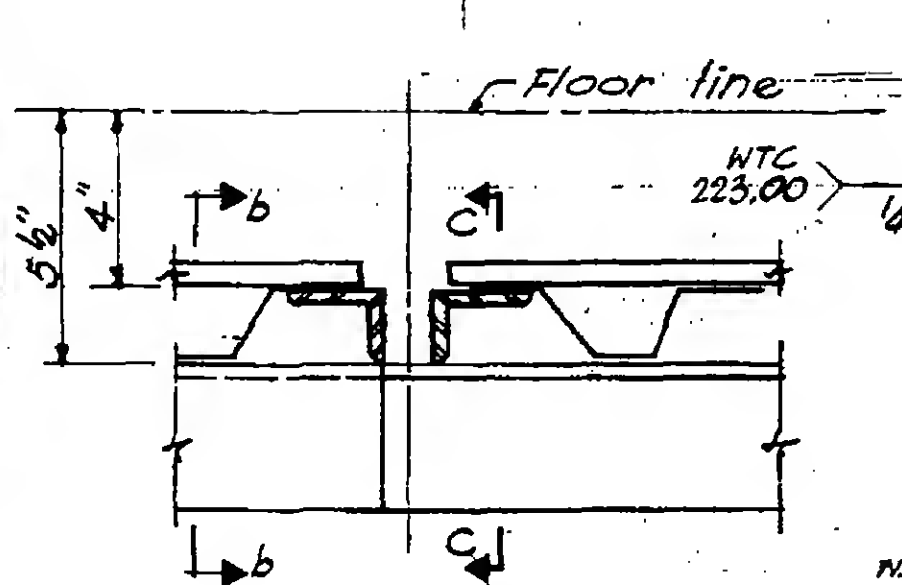
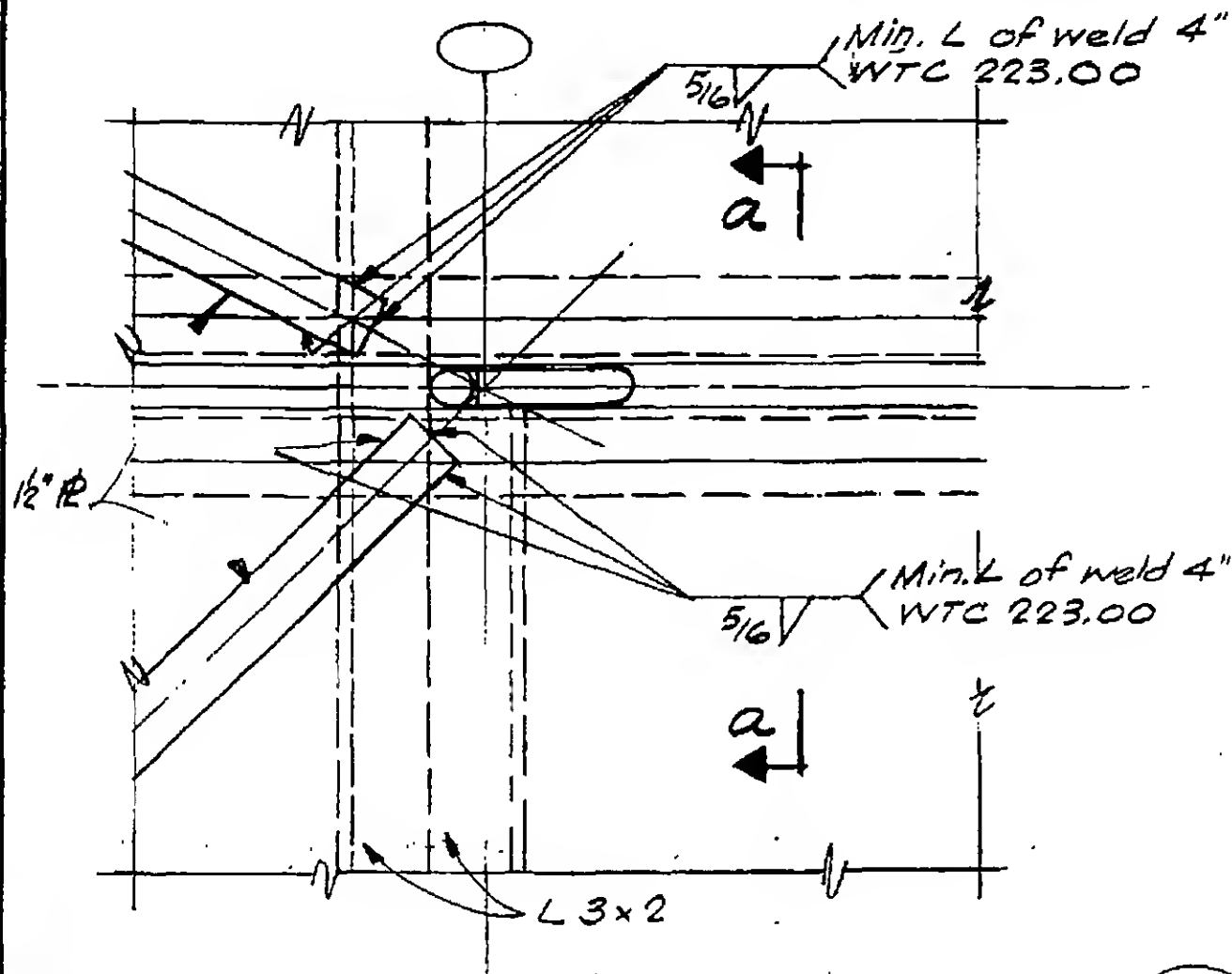
REVISIONS

4-1-68
7-22-68

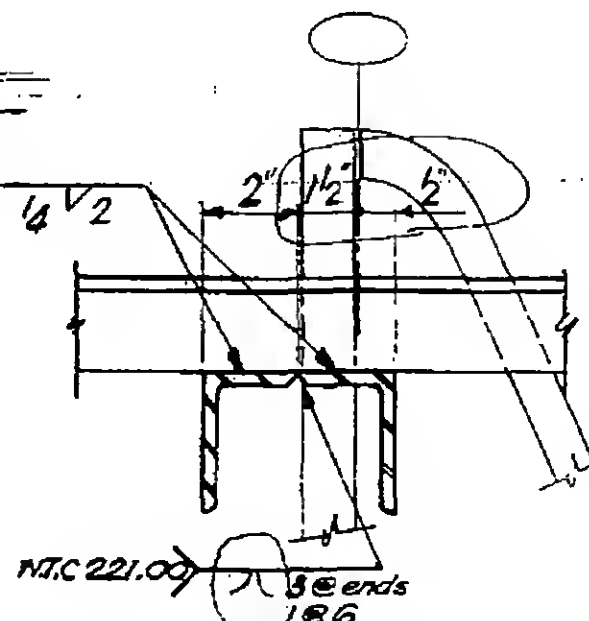


REVISIONS

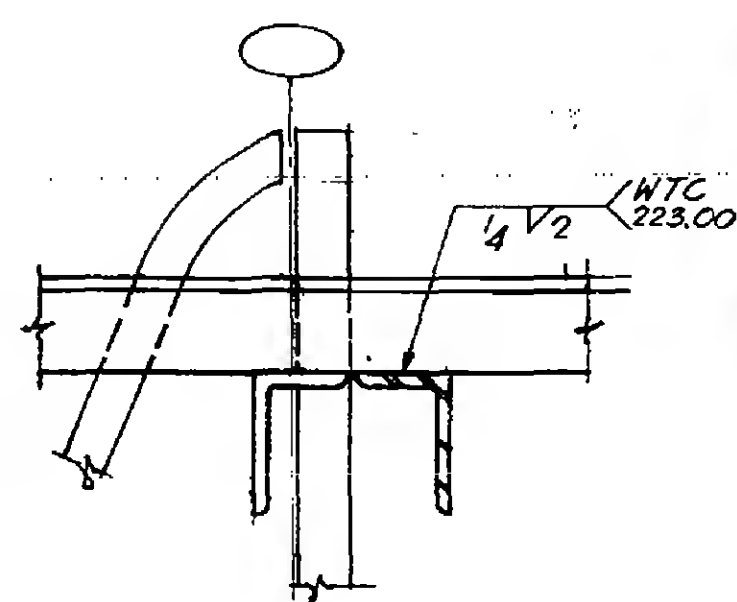
7-1-68
7-22-68
10-15-68



Section a-a



Section b-b



Section c-c



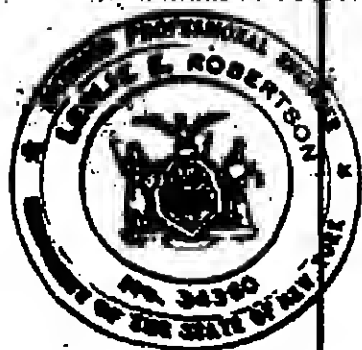
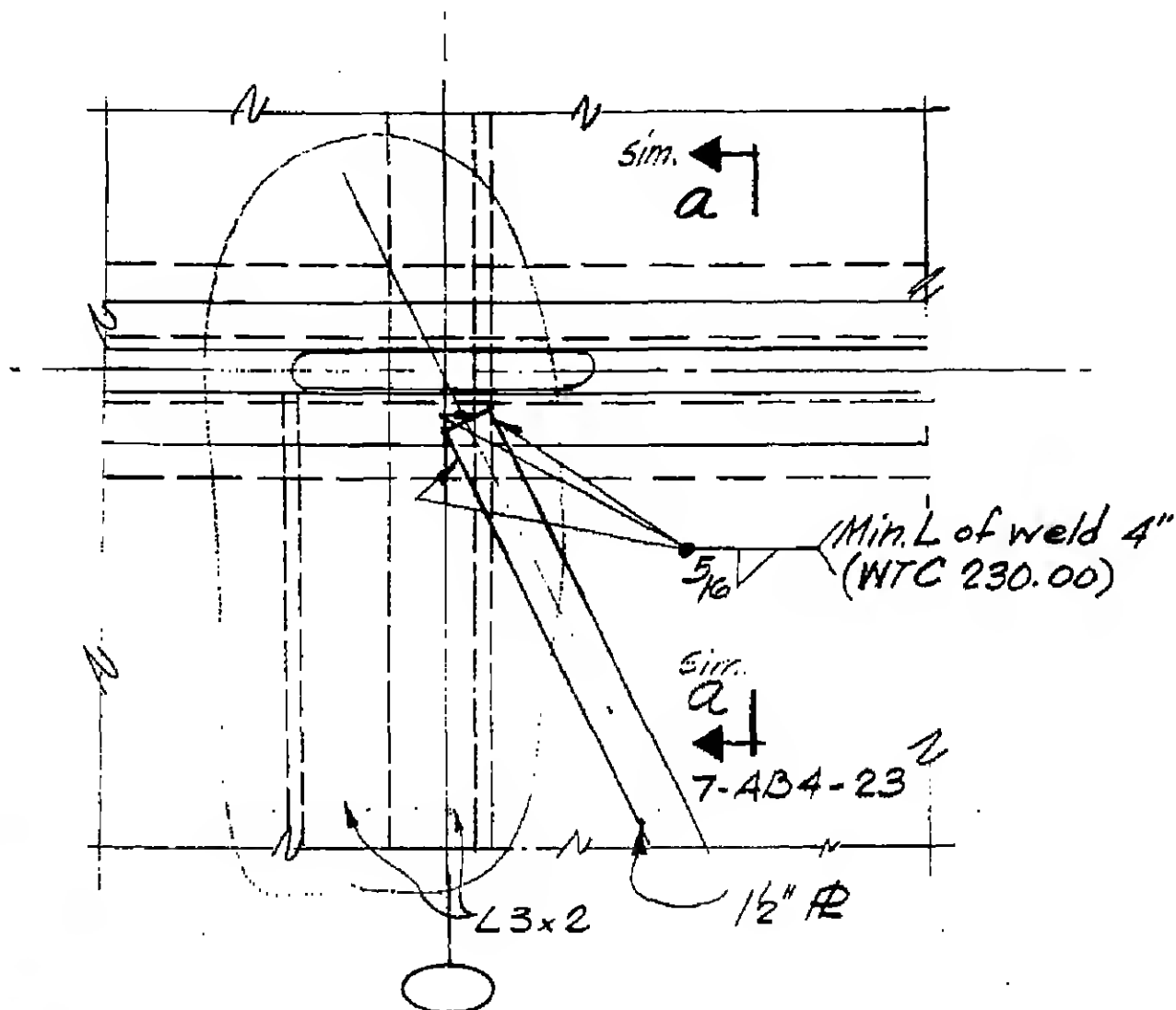
SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER TITLE FLOOR PANEL - DETAIL E44

DATE 1-3-68

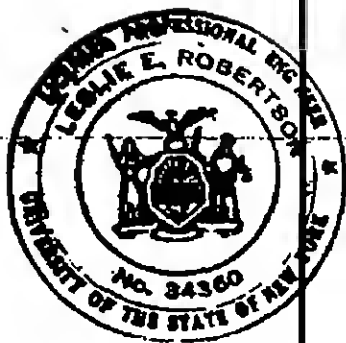
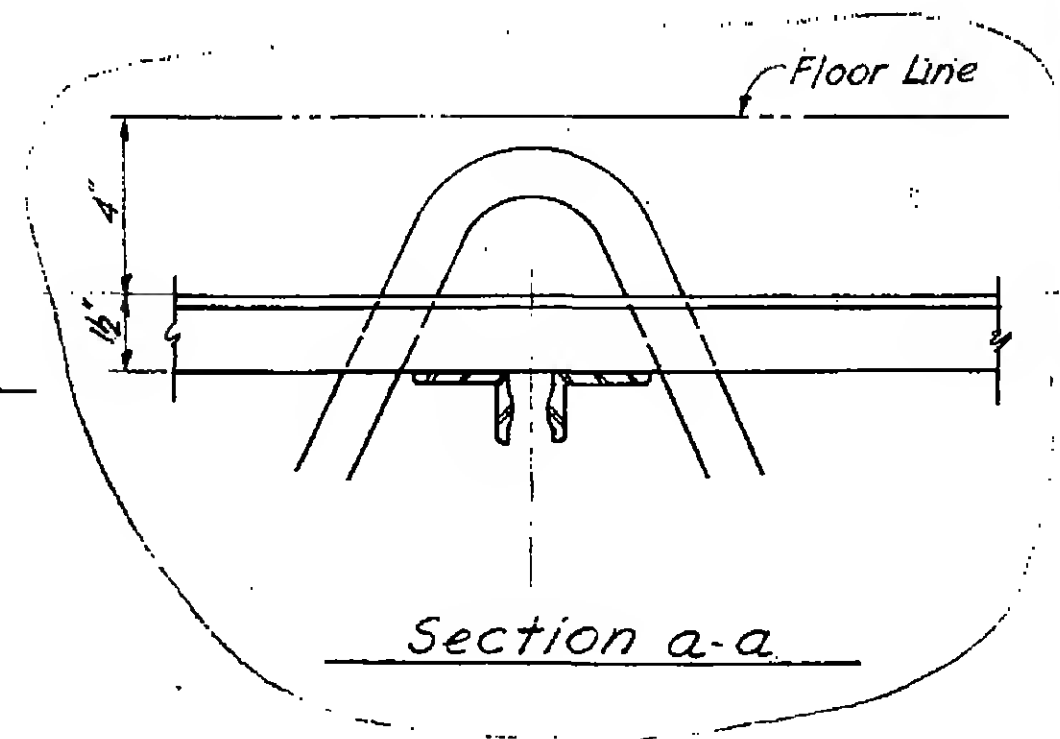
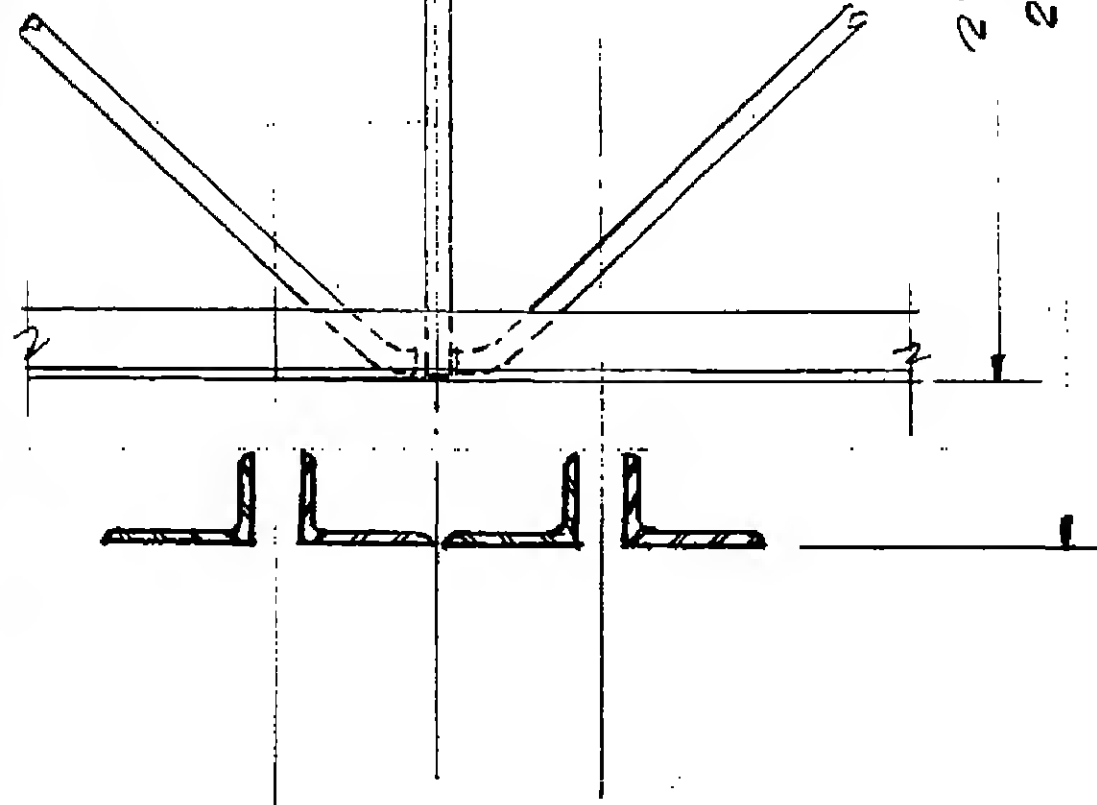
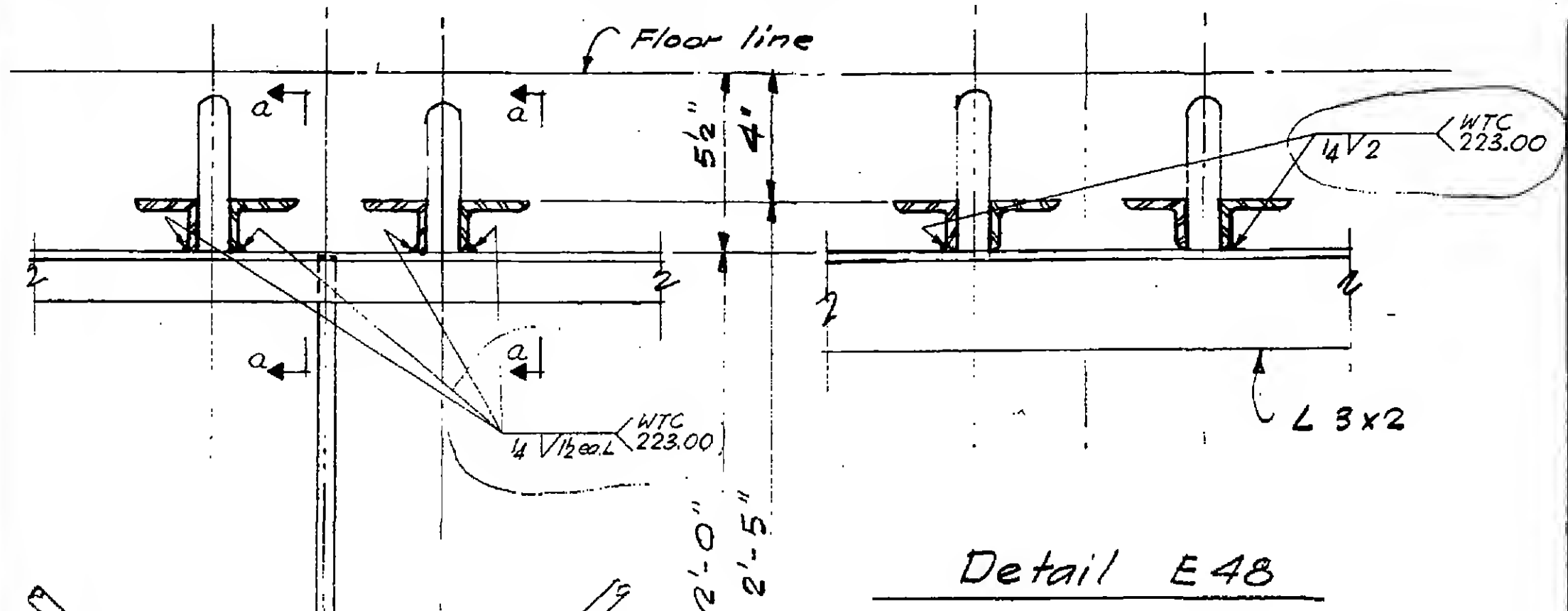
REVISIONS

4-1-68
7-22-68

7-AB4-25

REVISIONS

7-22-68



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

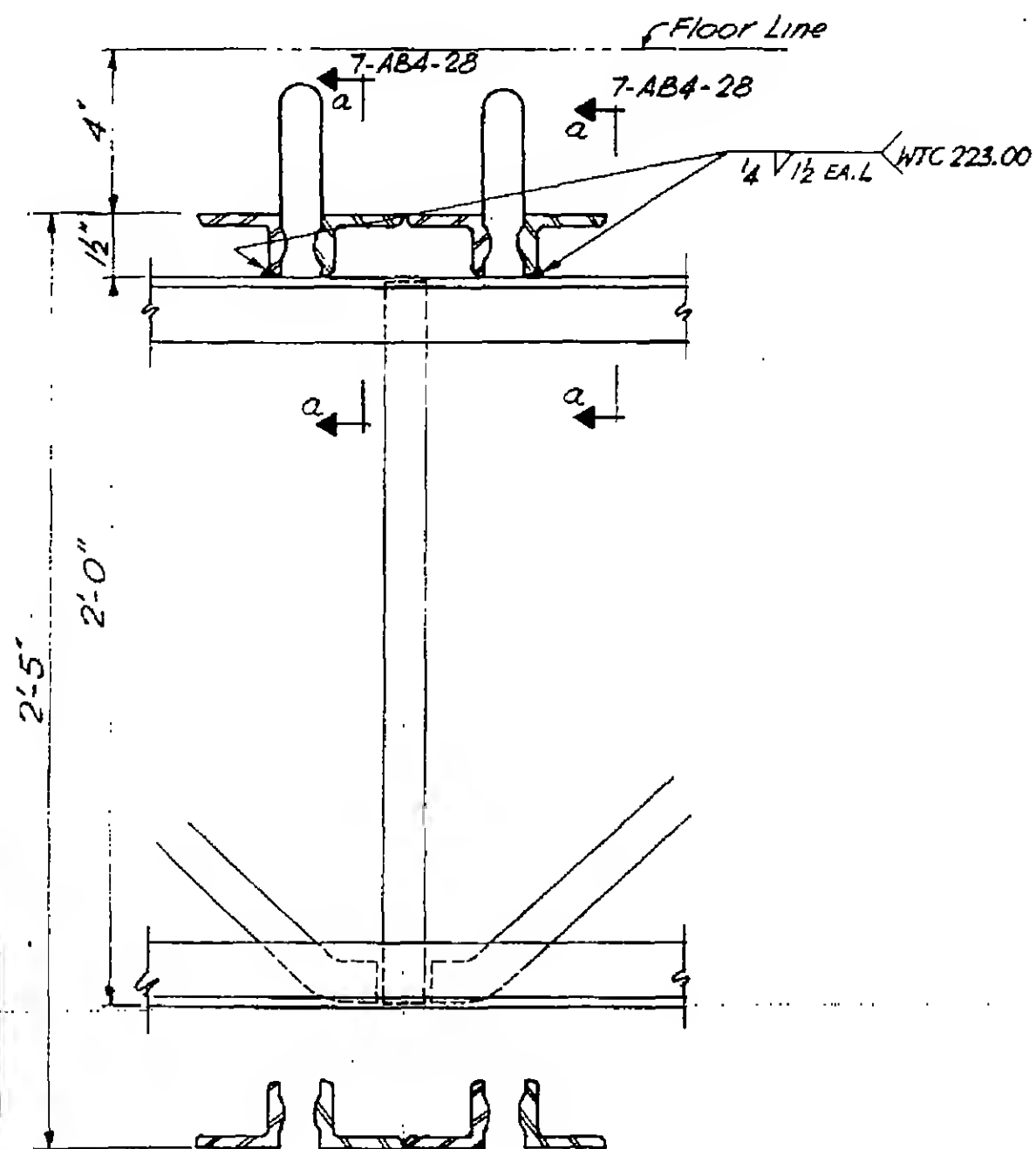
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E47A

DATE 7-22-68

REVISIONS



DESIGNED

DRAWN

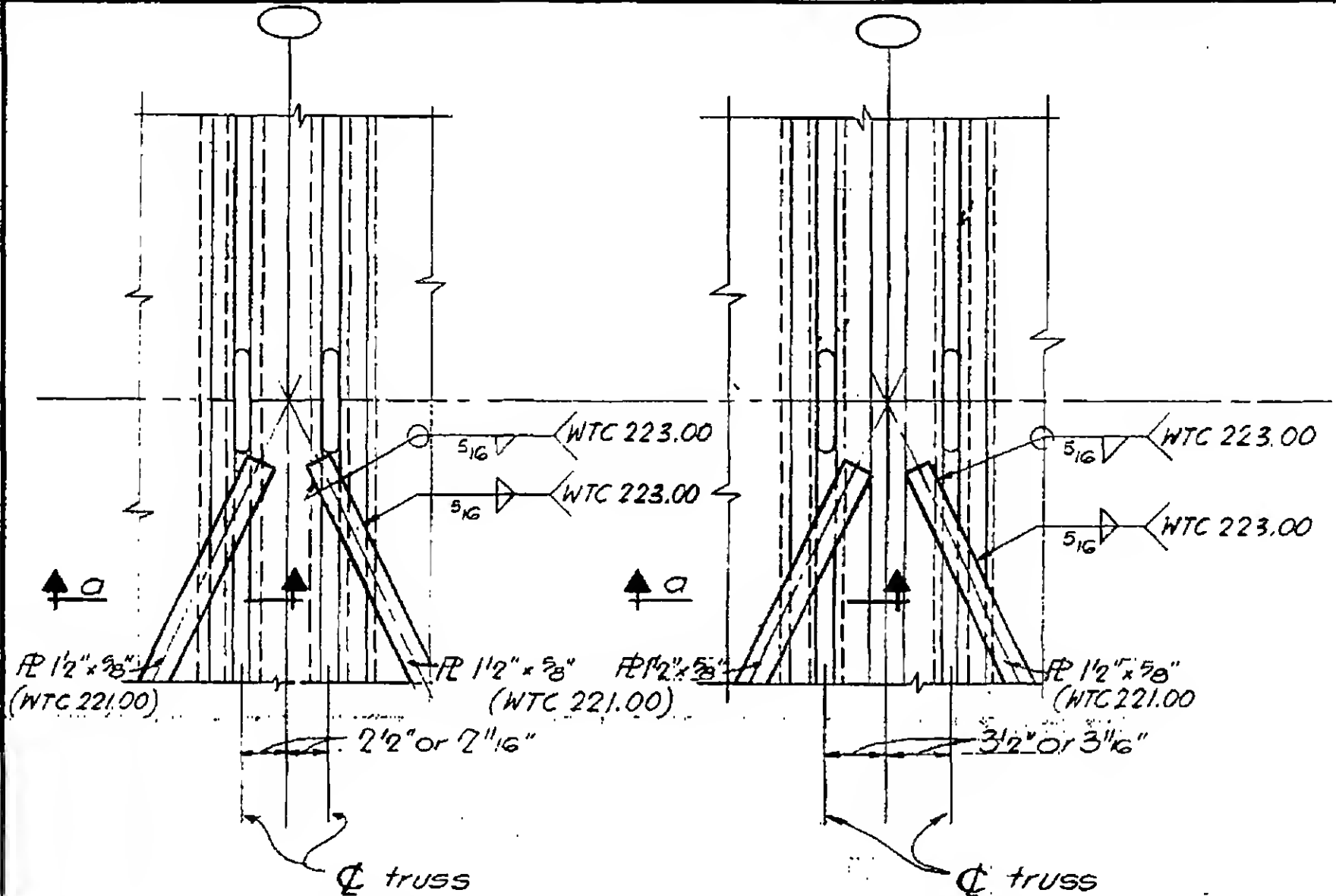
REVIEWED

90

7-AB4-28.1

REVISIONS

1-3-68



Detail E49

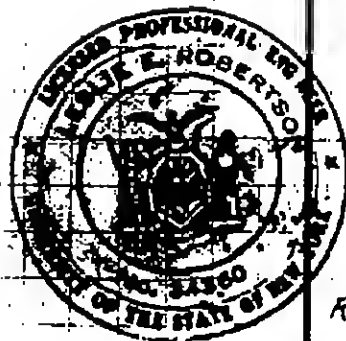
Detail E49A

Note: For exterior end of
1/2" x 5/8" see Det. E50, E51 & E52

Ref. floor line



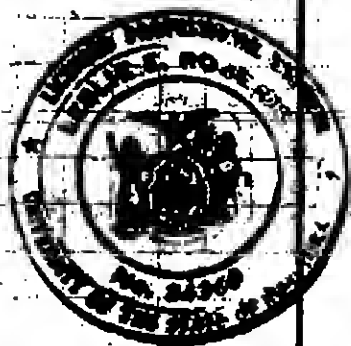
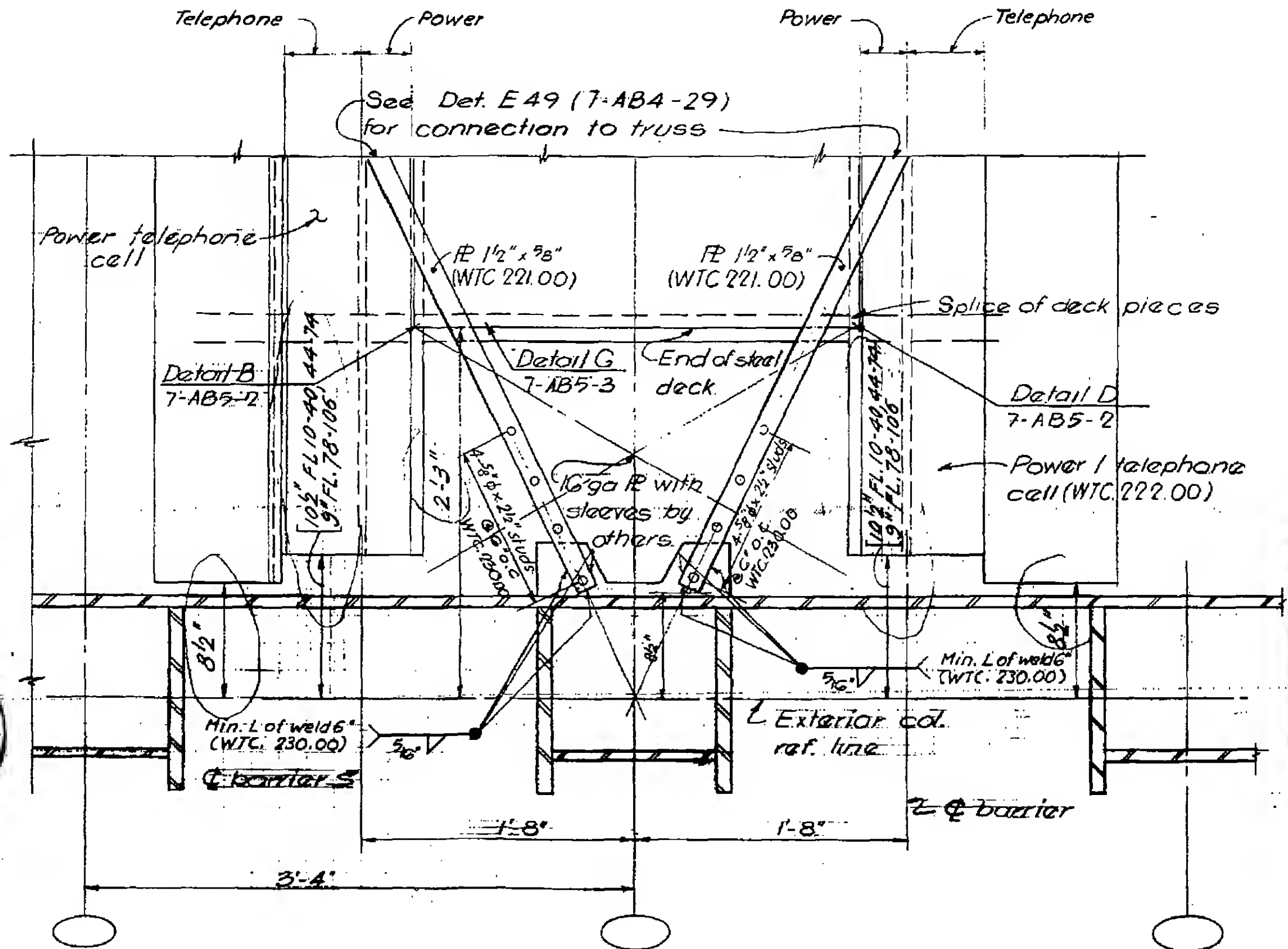
Section a-a



REVISIONS

1-3-68

4-1-68



PROJECT

THE WORLD TRADE CENTER

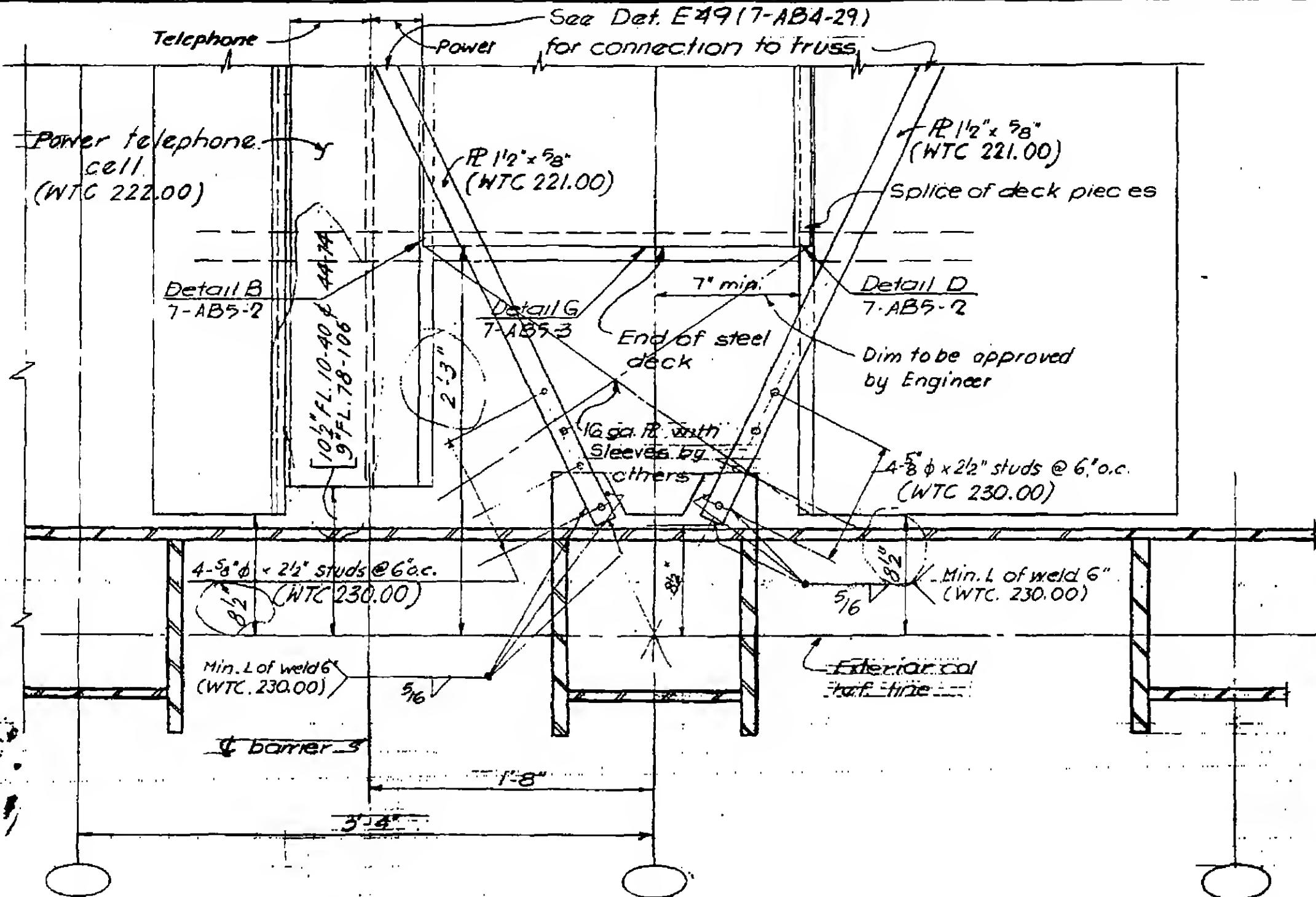
TITLE

FLOOR PANEL DETAIL E51A

DATE

10-20-67

REVISIONS

1-3-68
4-1-68

Structural & Civil Engineers

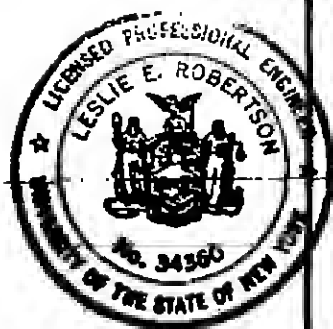
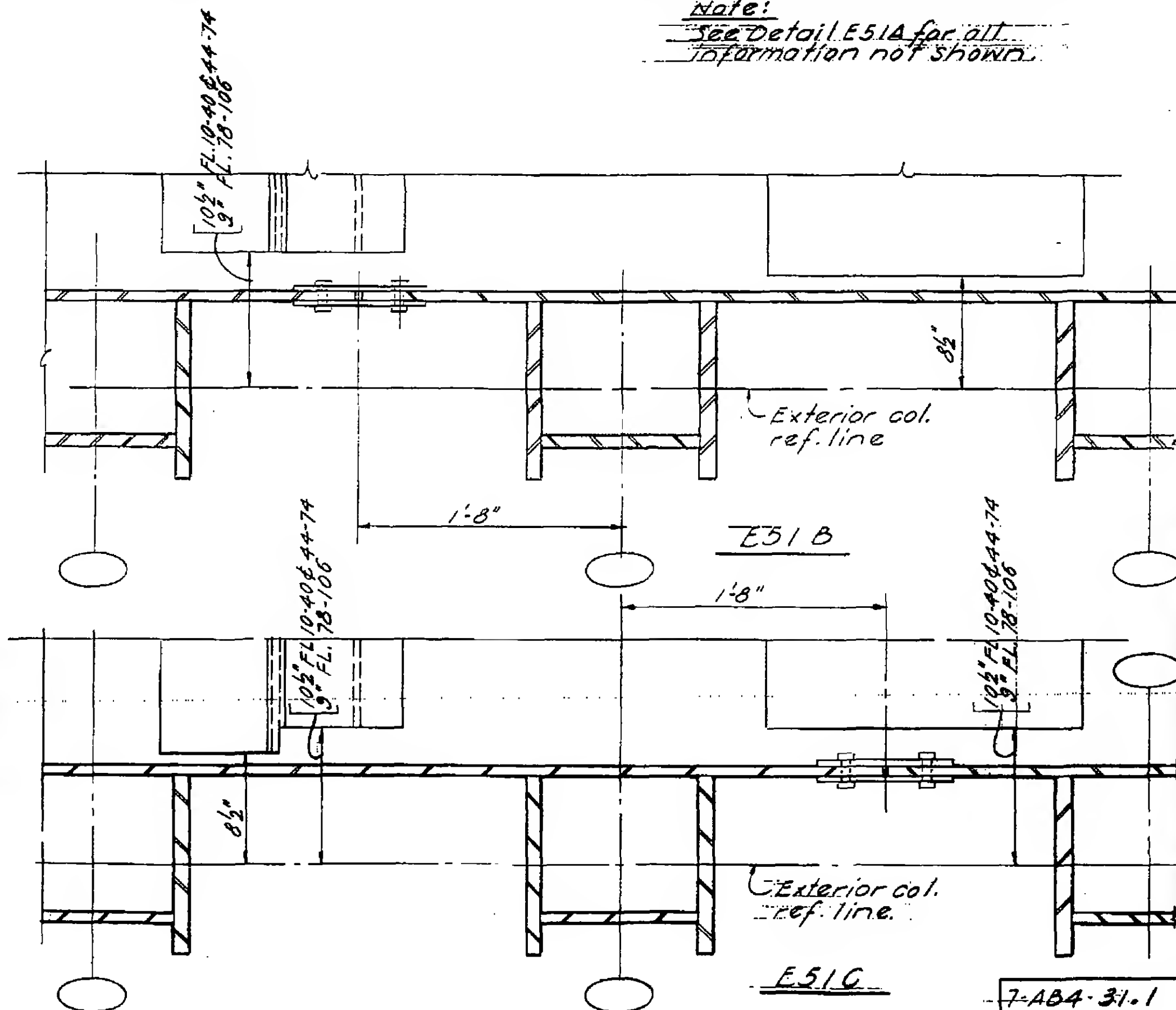
TITLE FLOOR PANEL DETAIL E51B & E51C

DATE 4-1-68

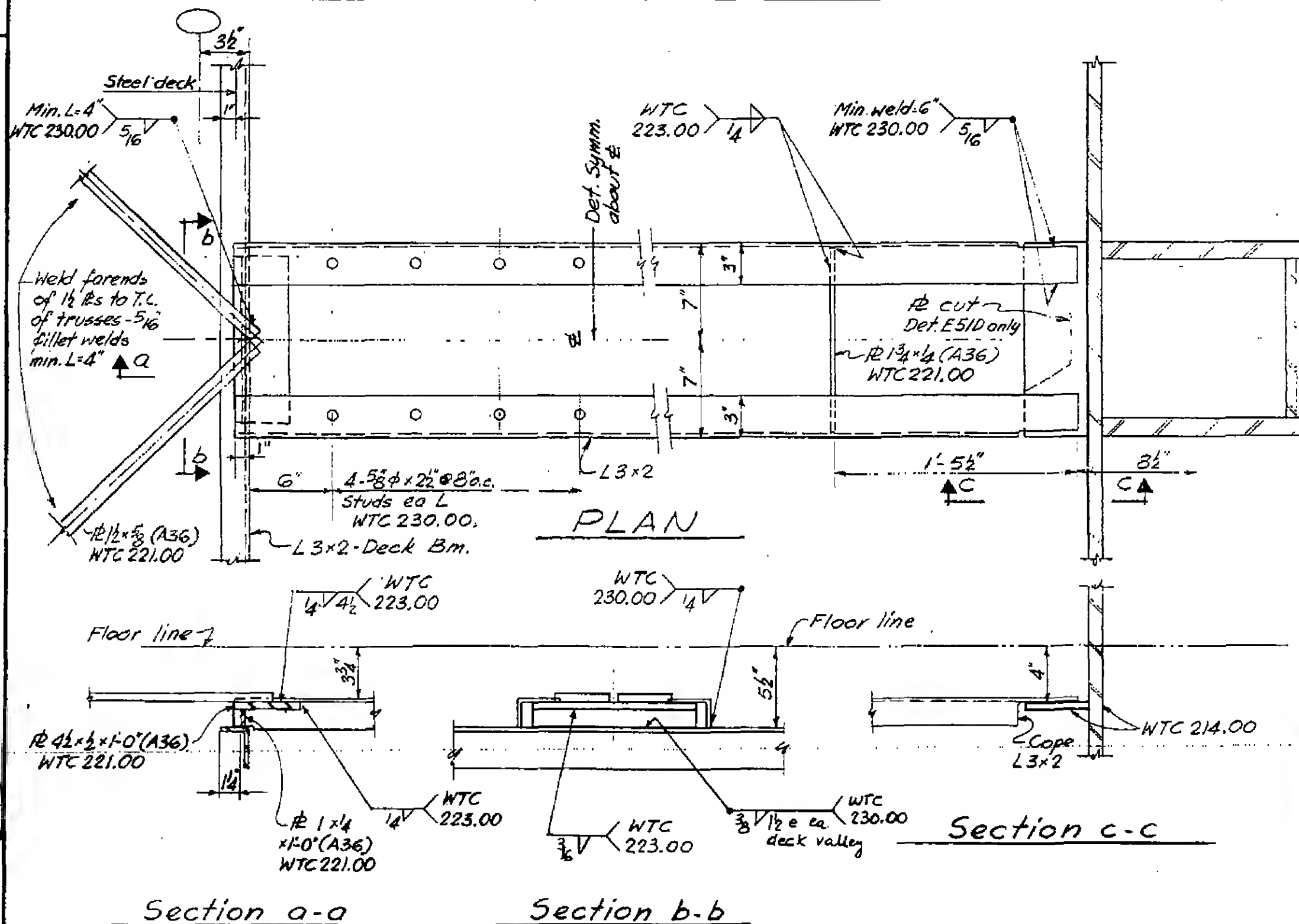
REVISIONS

Note:

See Detail E51A for all
information not shown.



REVISIONS



DESIGNED

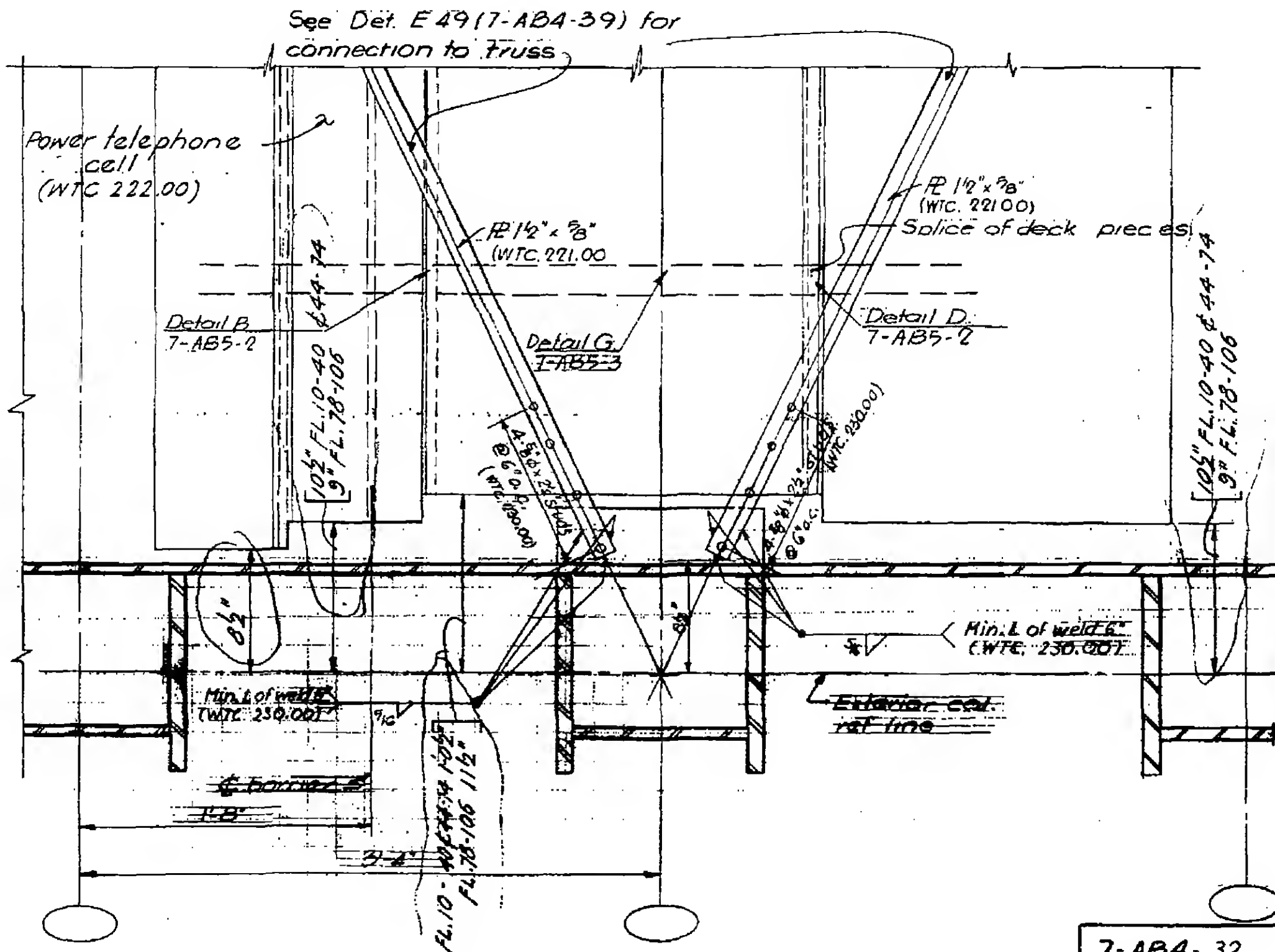
DRAWN

REVIEWED

REVISIONS

1-3-68

4-1-68



7-AB4-32



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

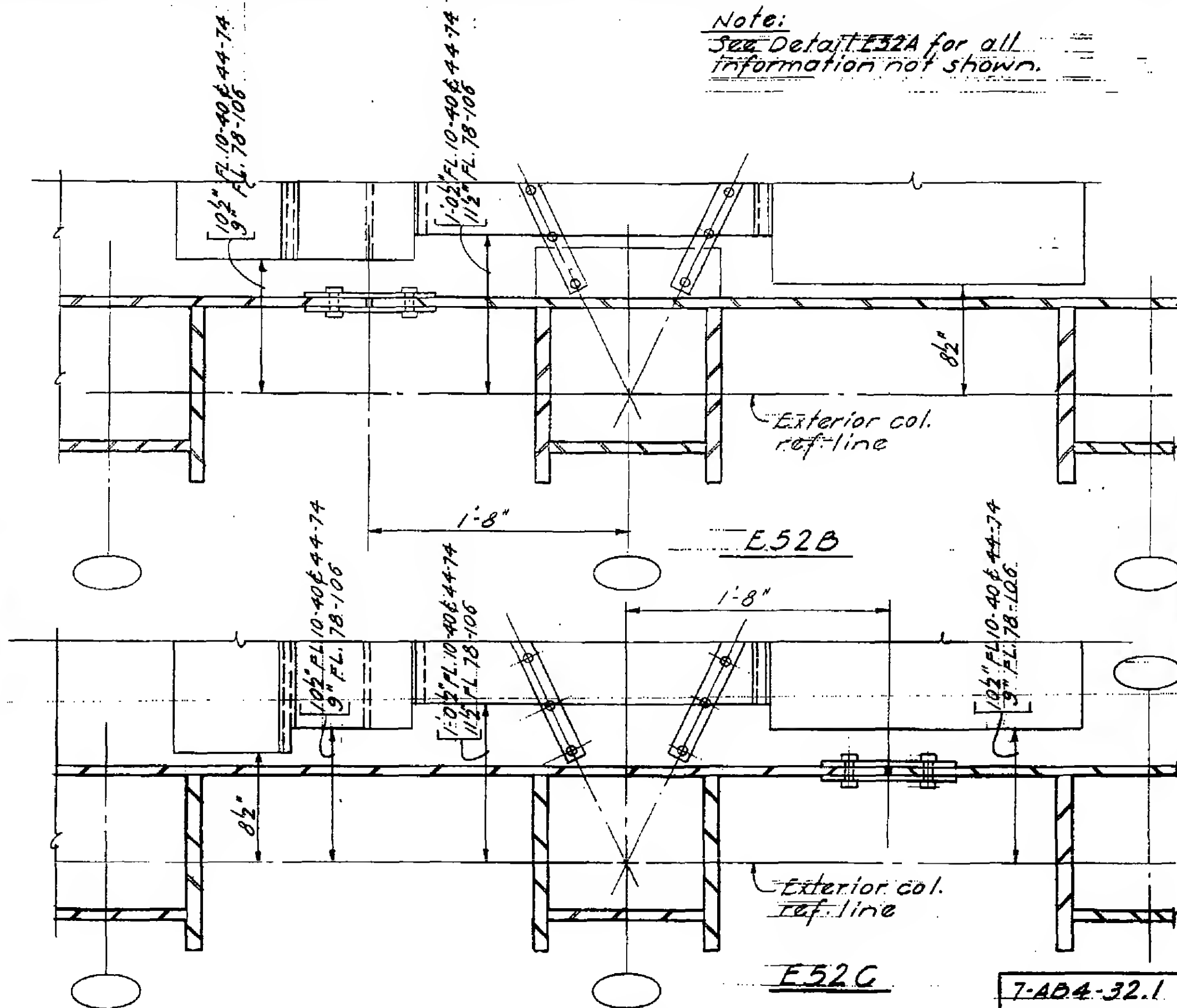
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E52B & E52C

DATE 4-1-68

REVISIONS

Note:

See Detail E52A for all
information not shown.

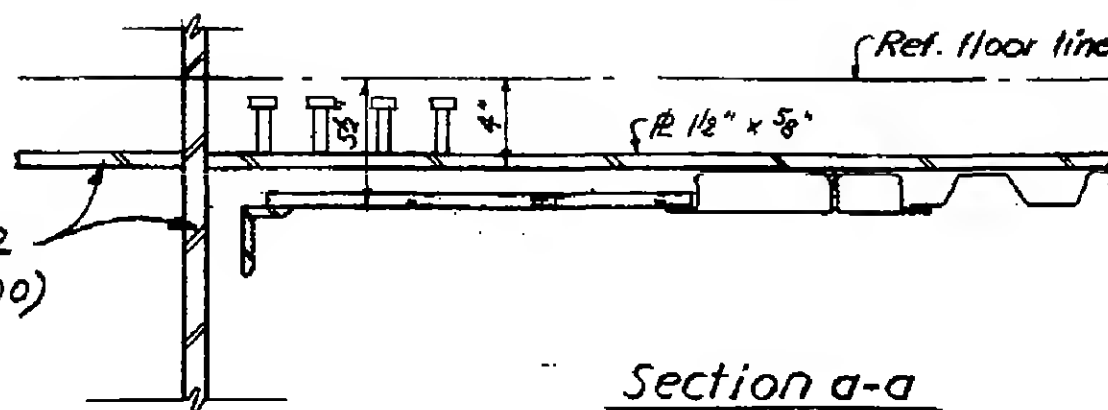
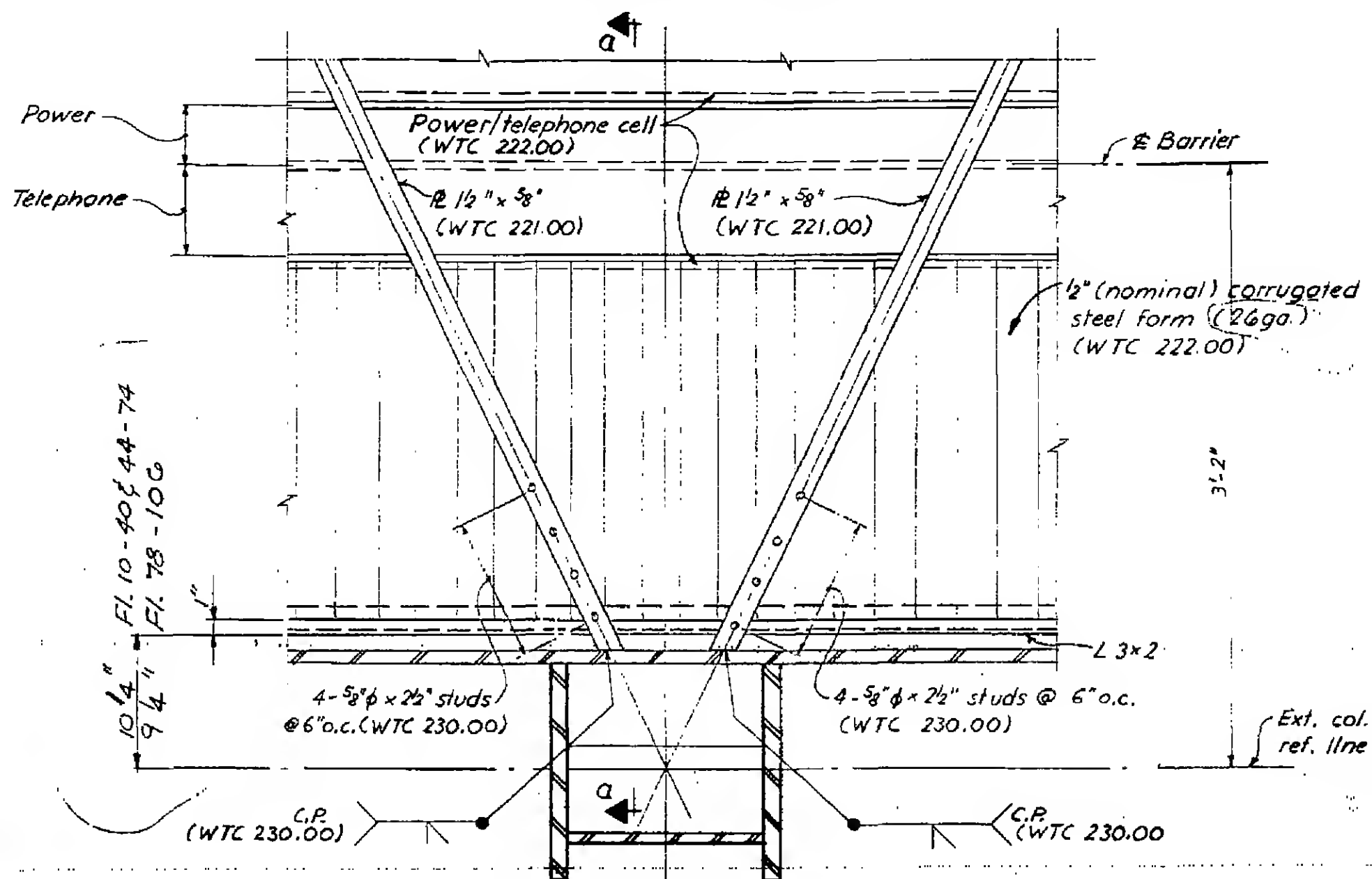
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E 53

DATE 1-3-68

REVISIONS

4-1-68

See 4-AB2
(WTC 214.00)

7-AB4-33



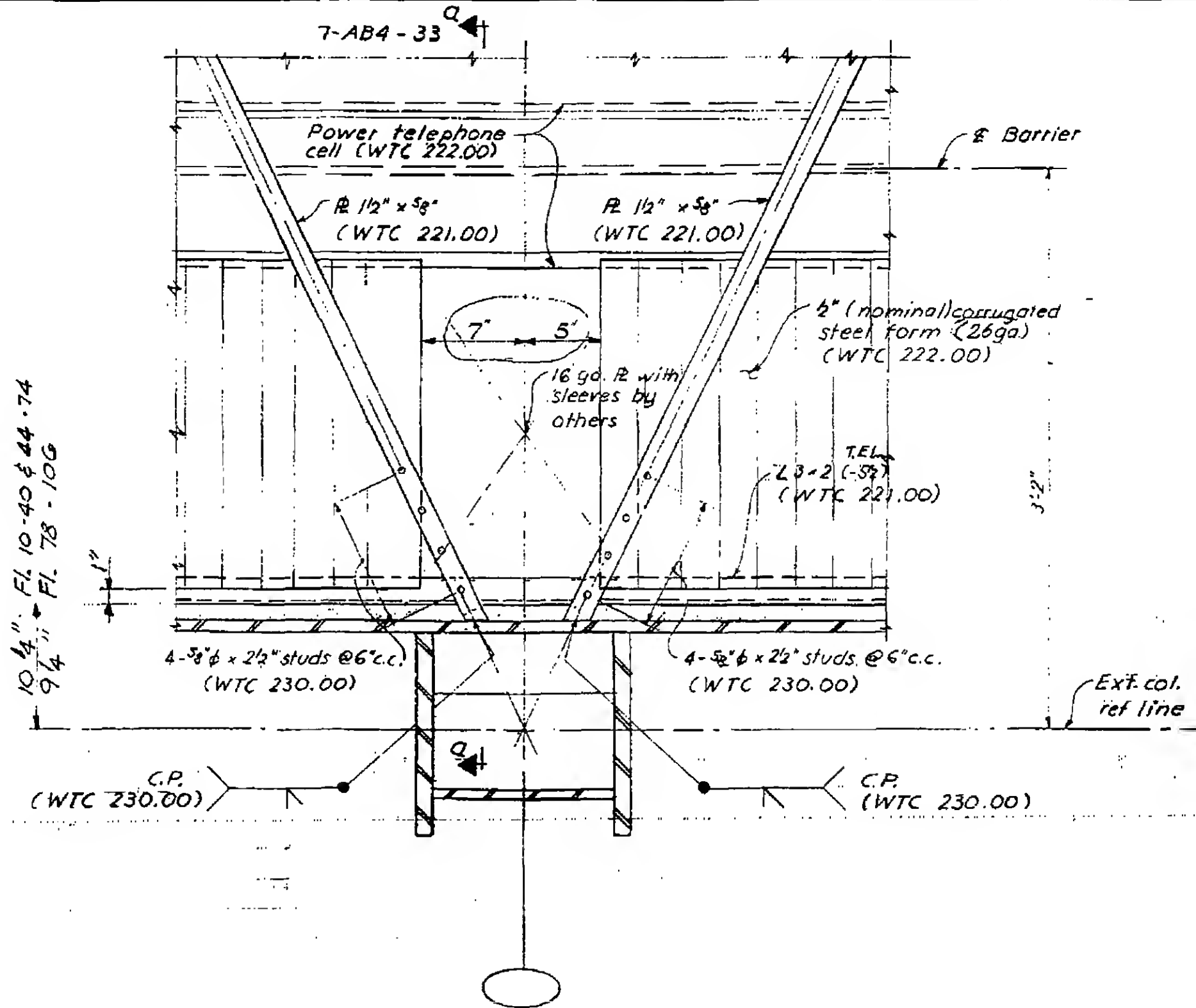
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E54

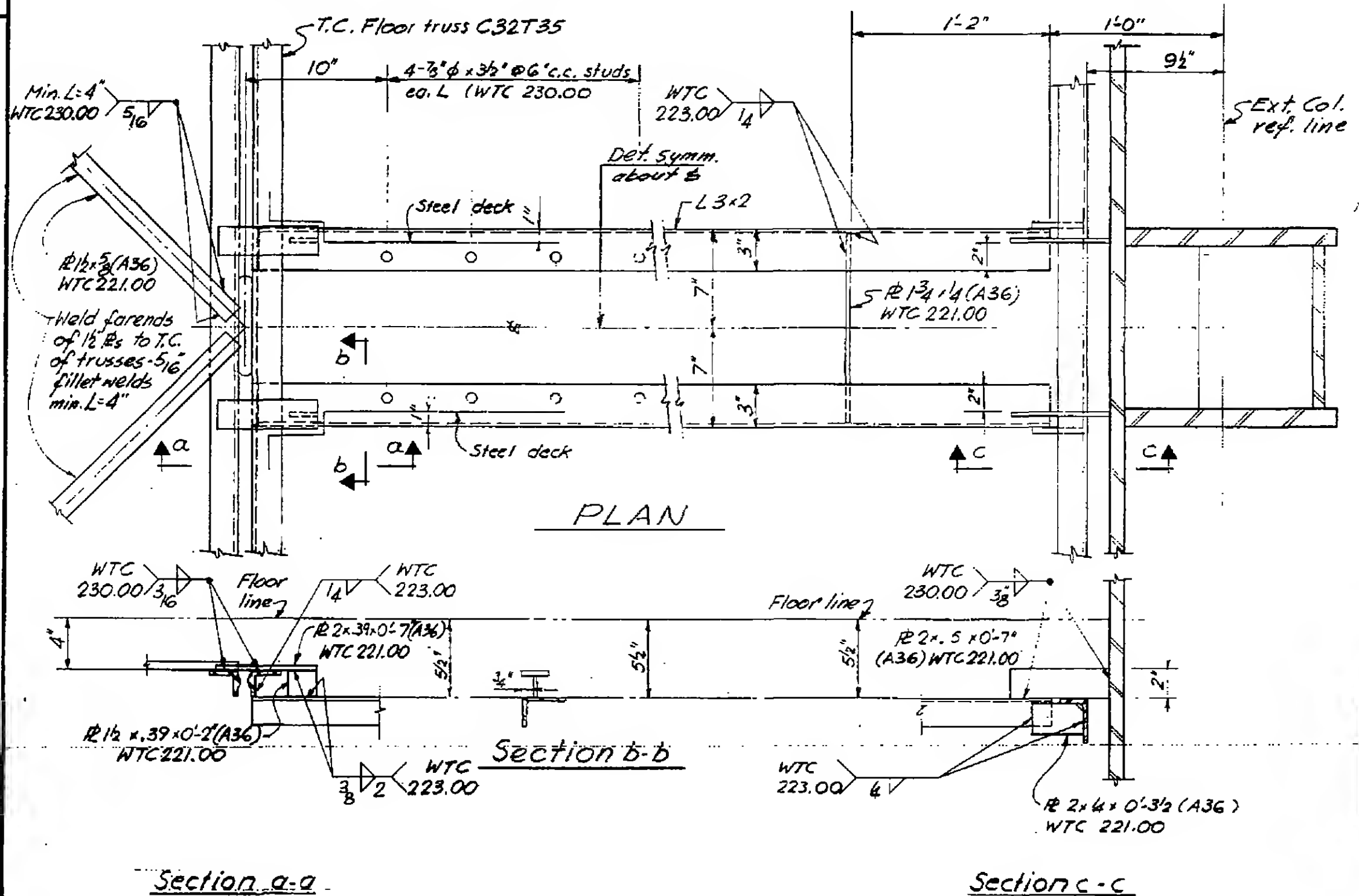
DATE 1-3-68

REVISIONS

4-1-68
10-15-68



REVISIONS



DESIGNED

DRAWN

REVIEWED

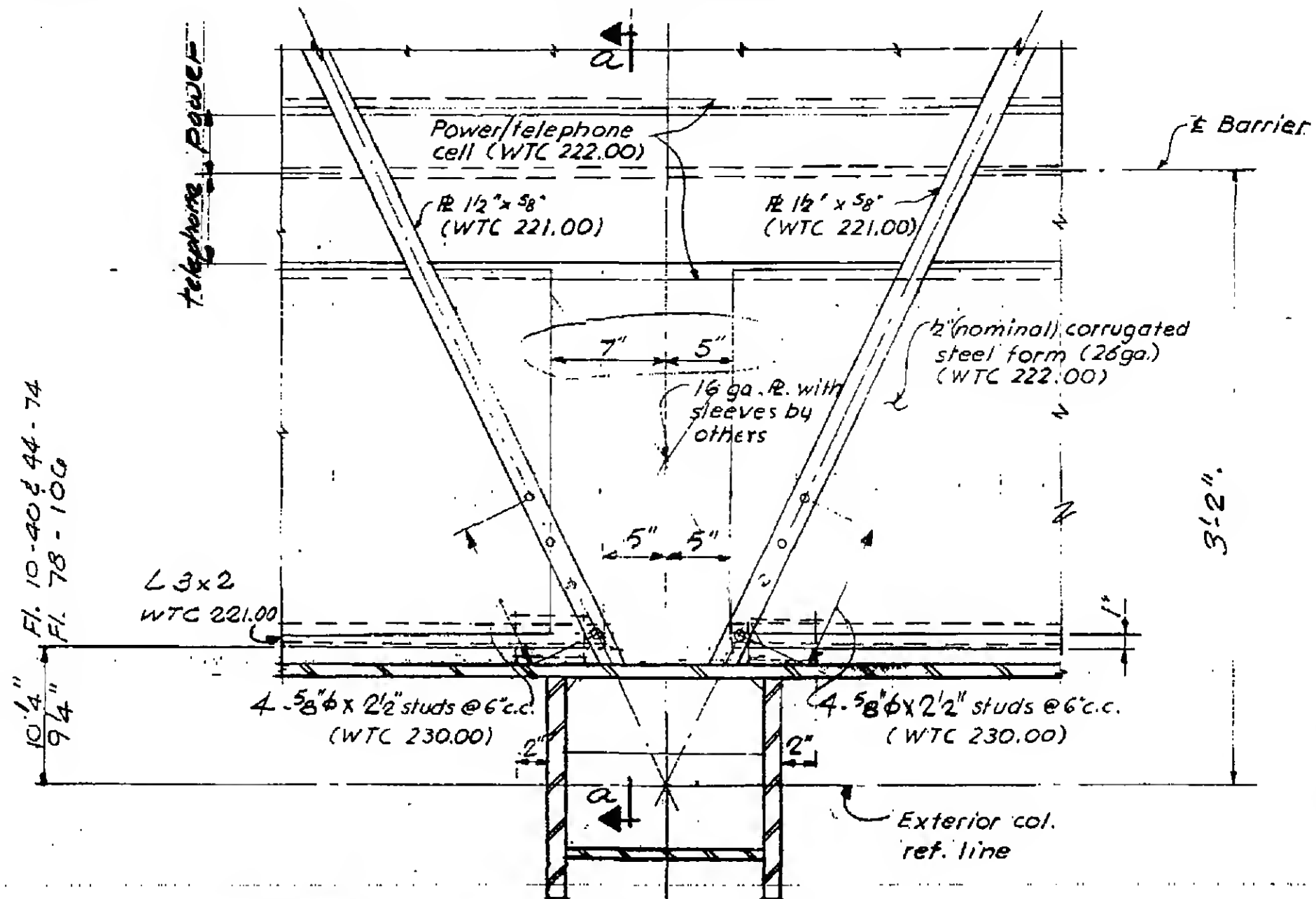
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL E55

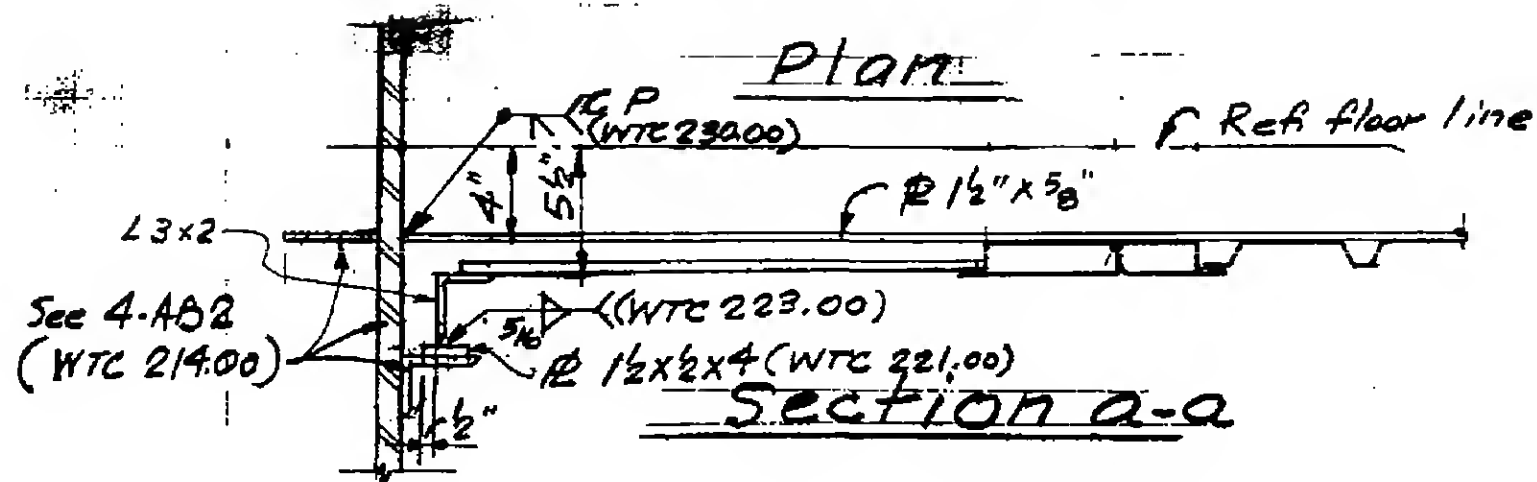
DATE 1-3-68

REVISIONS

4-1-68
10-15-68



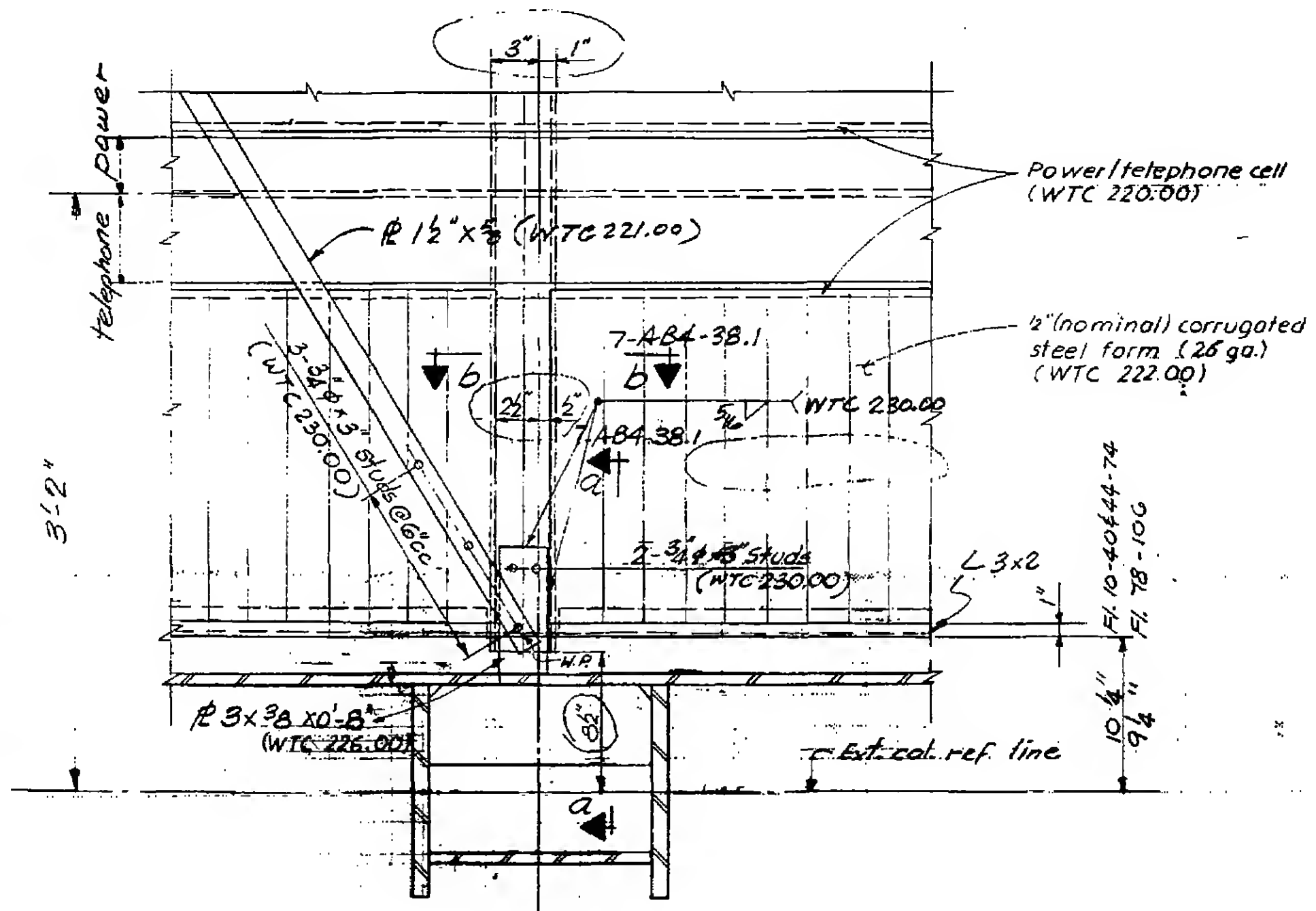
PLAN



SECTION a-a



7-22-68
10-15-68



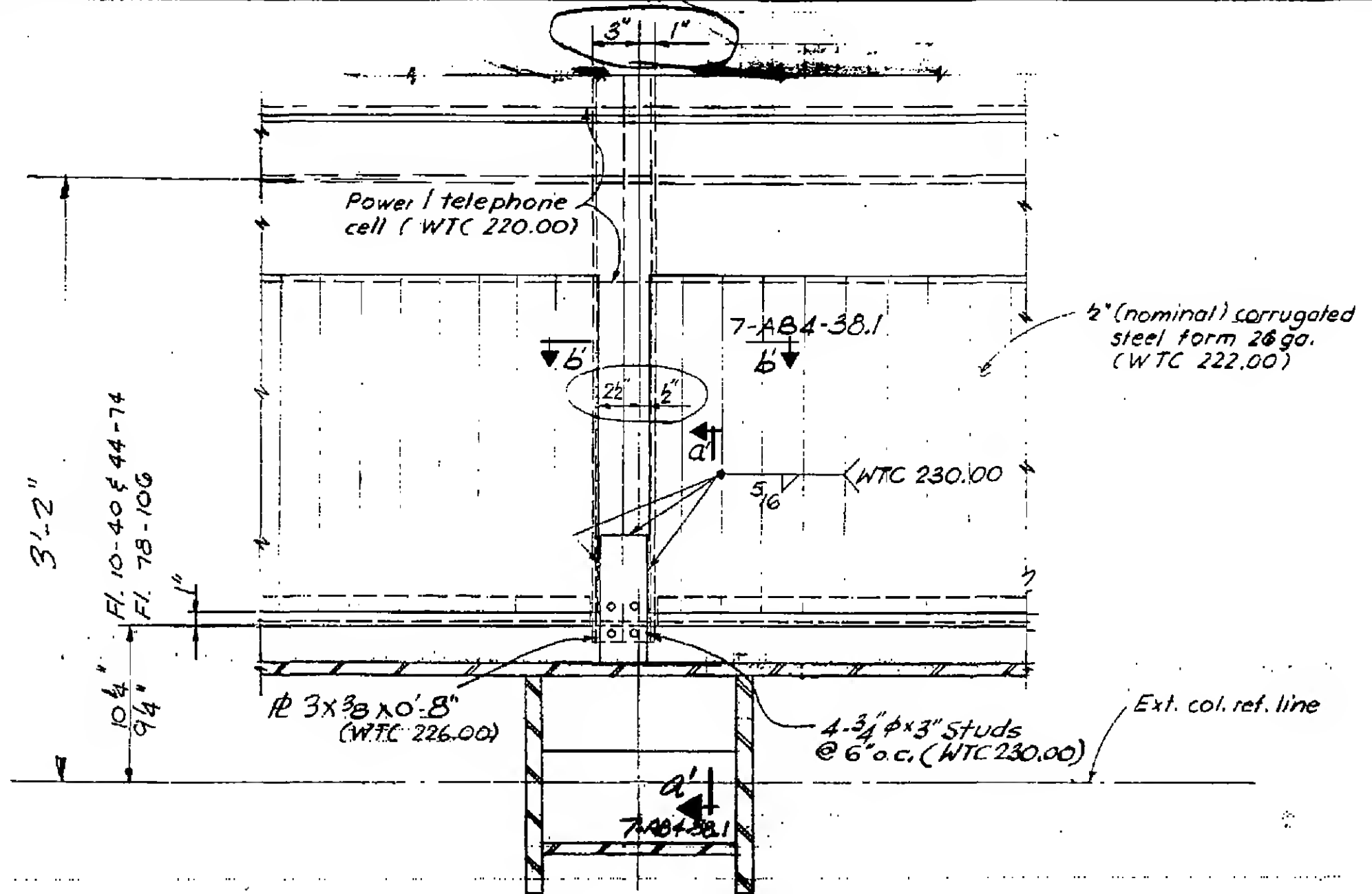
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL DETAIL 1-57

DATE 1-3-68

REVISIONS

4-1-68
7-22-68
10-15-68

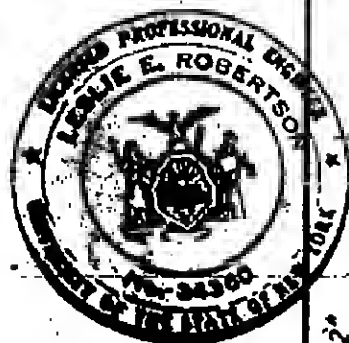
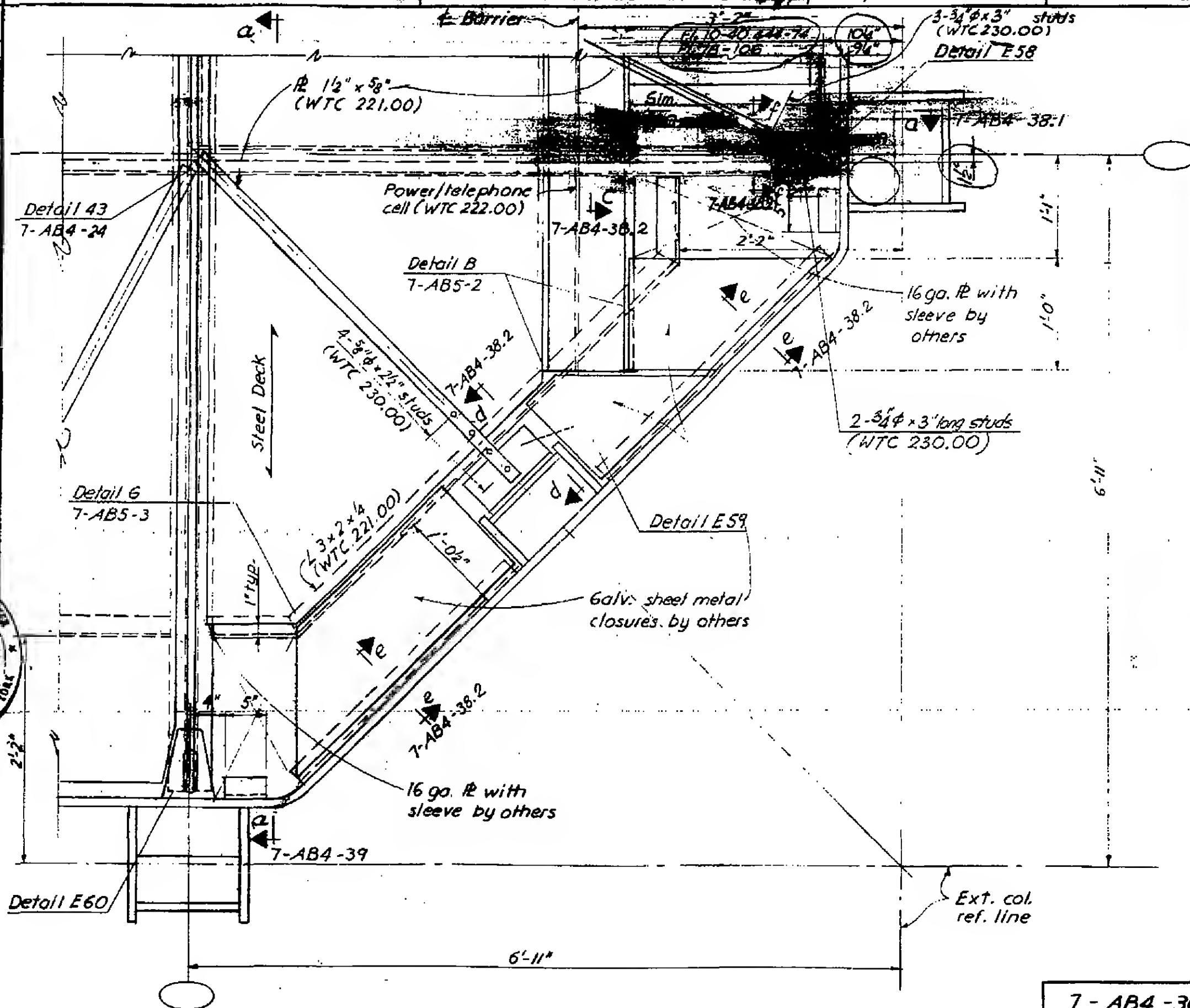


REVISIONS

4 - 1 - 68

7-22-68

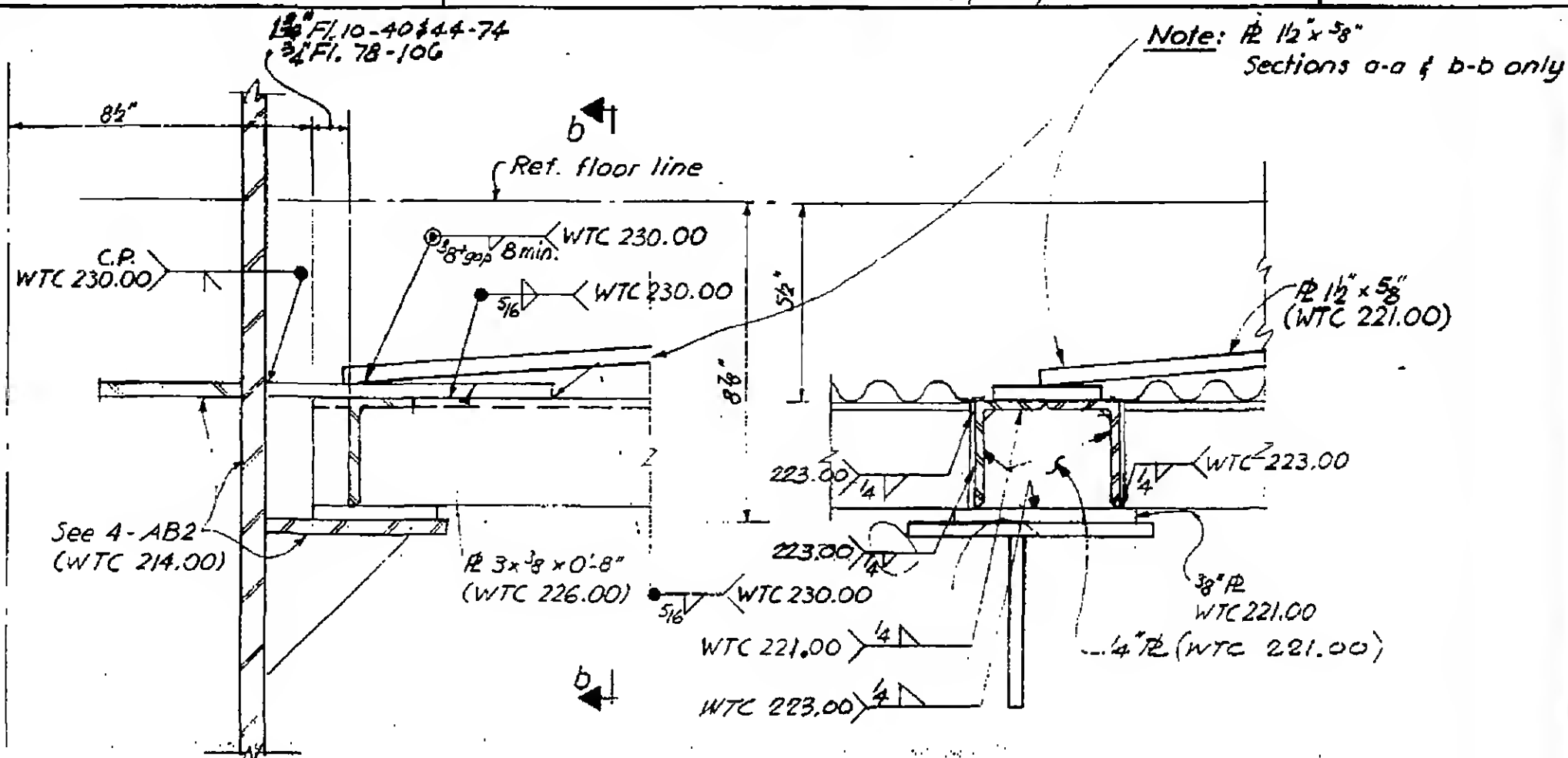
10-15-68



REVISIONS

4-1-68

7-22-68
10-15-68



Section a-a
Section a'-a' (as noted)

Section b-b
Section b'-b' (as noted)



PROJECT

THE WORLD TRADE CENTER

TITLE

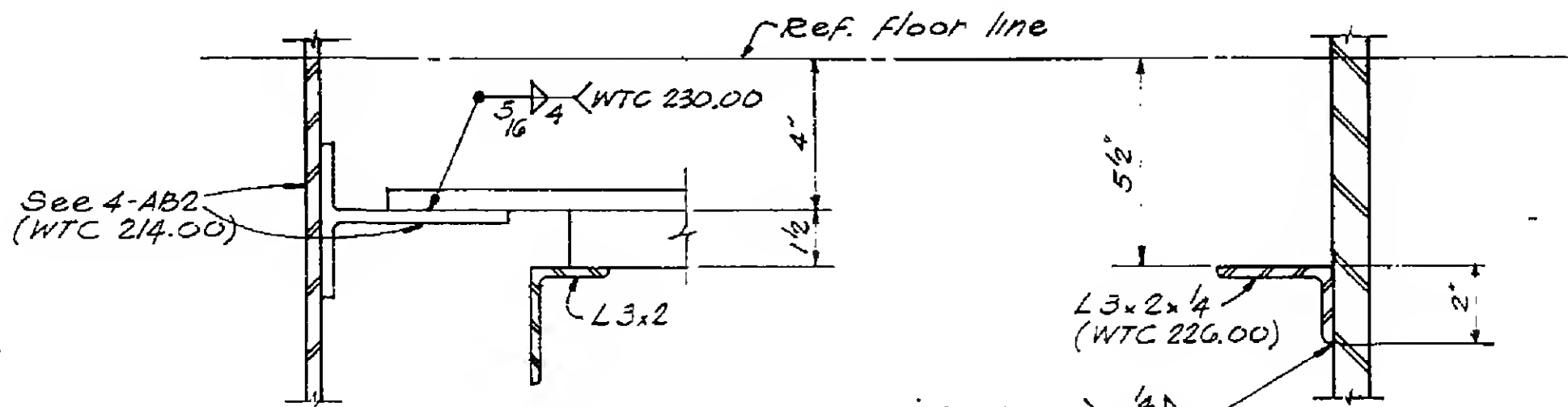
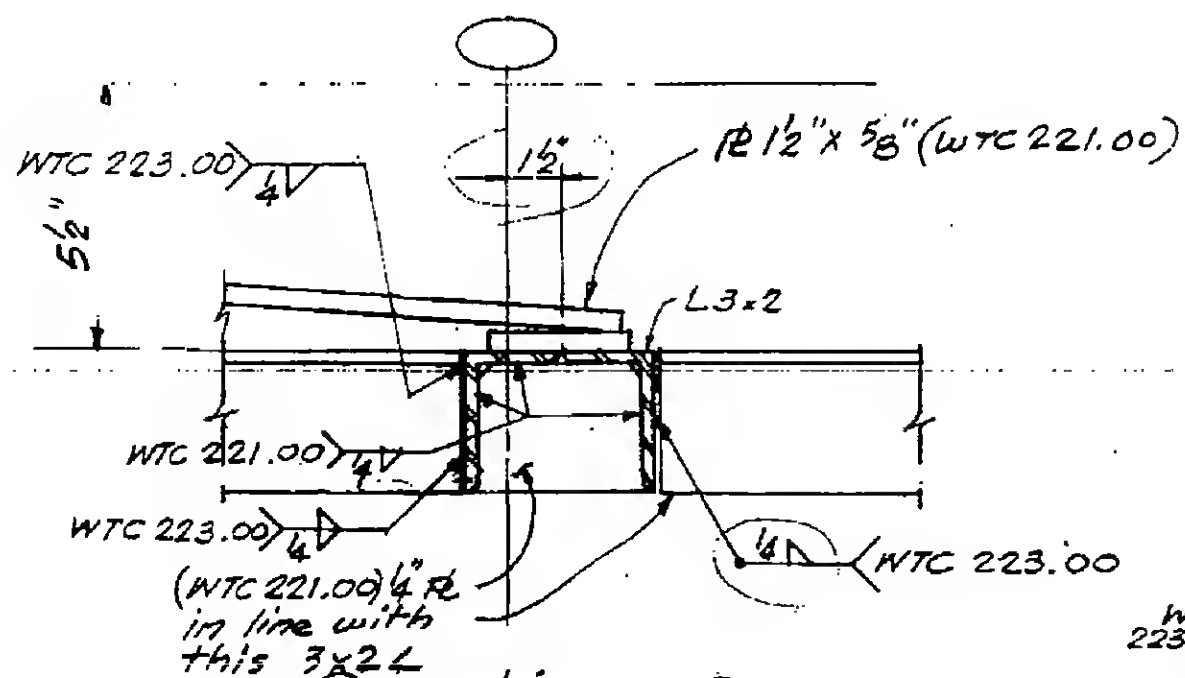
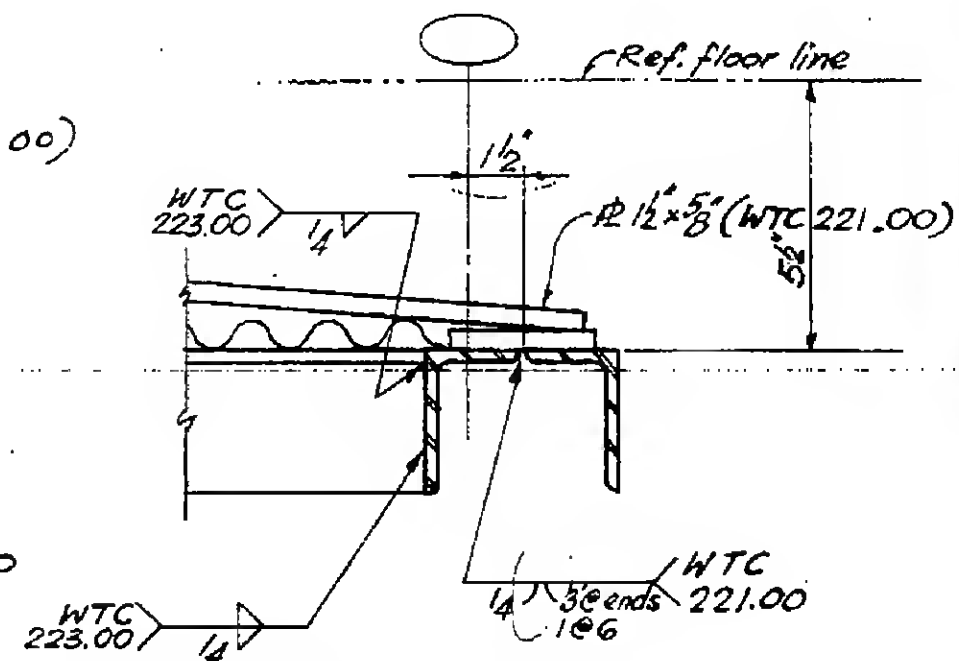
FLOOR PANEL DETAIL E 58, E 59

DATE

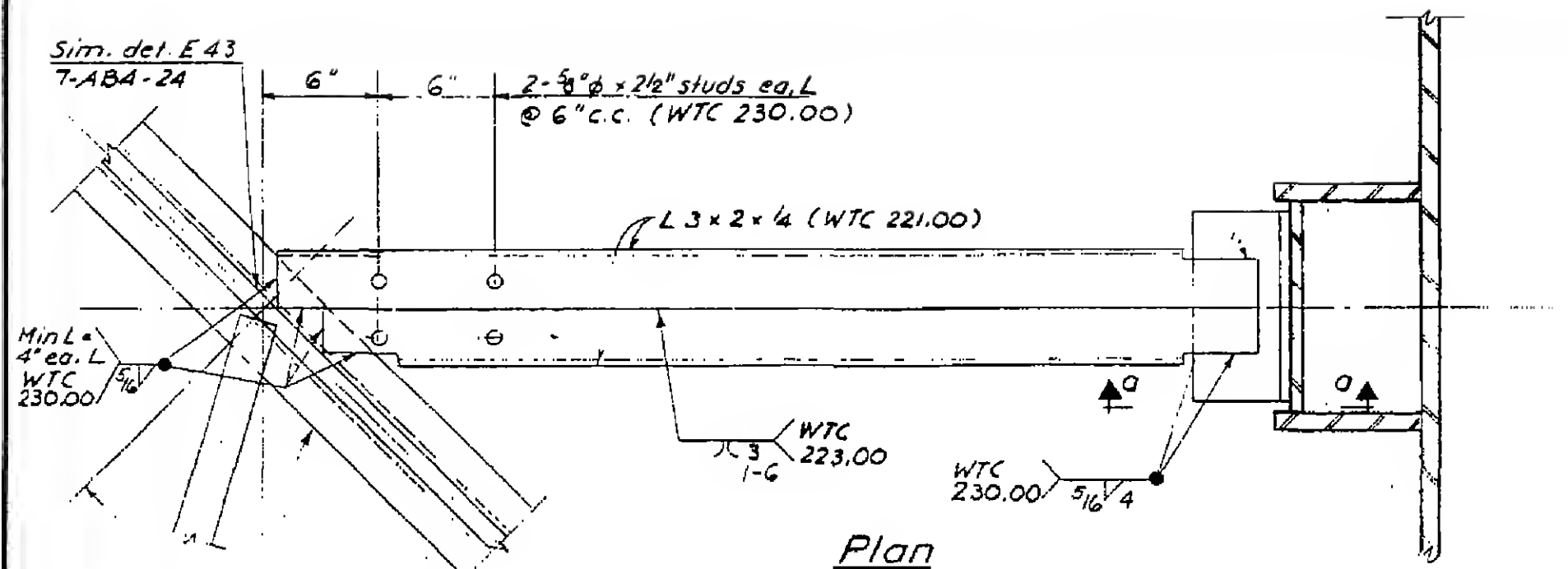
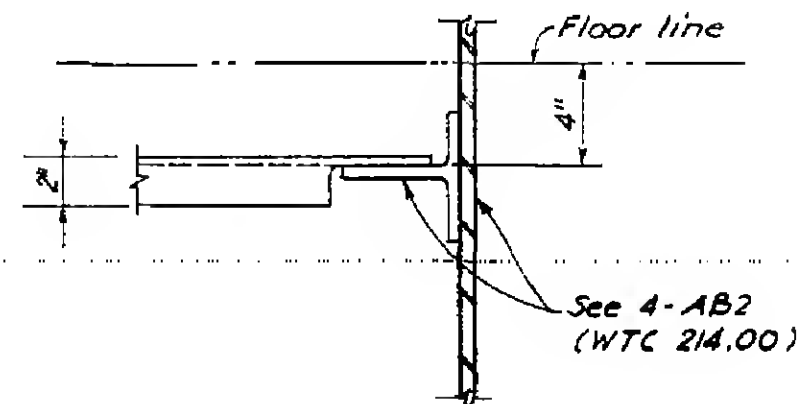
4-1-68

REVISIONS

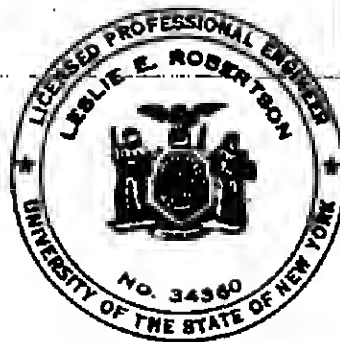
7-22-68
10-15-68

Section d-dSection e-eSection c-cSection f-f

REVISIONS

Plan

Section a-a



DECLINED

DRAWN

REVIEWED

7-AB4-38.3

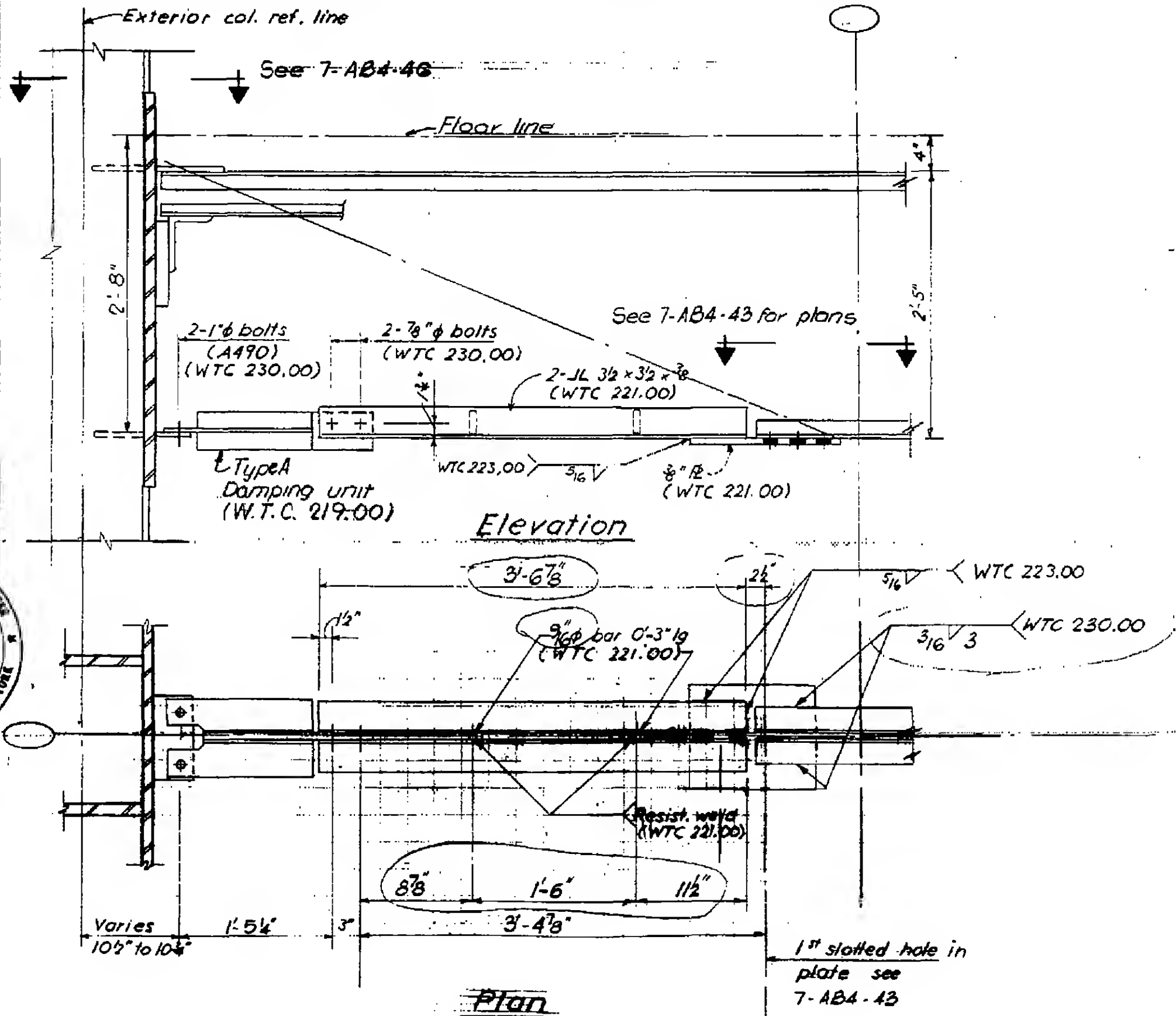
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E 60

DATE 1-3-68

REVISIONS

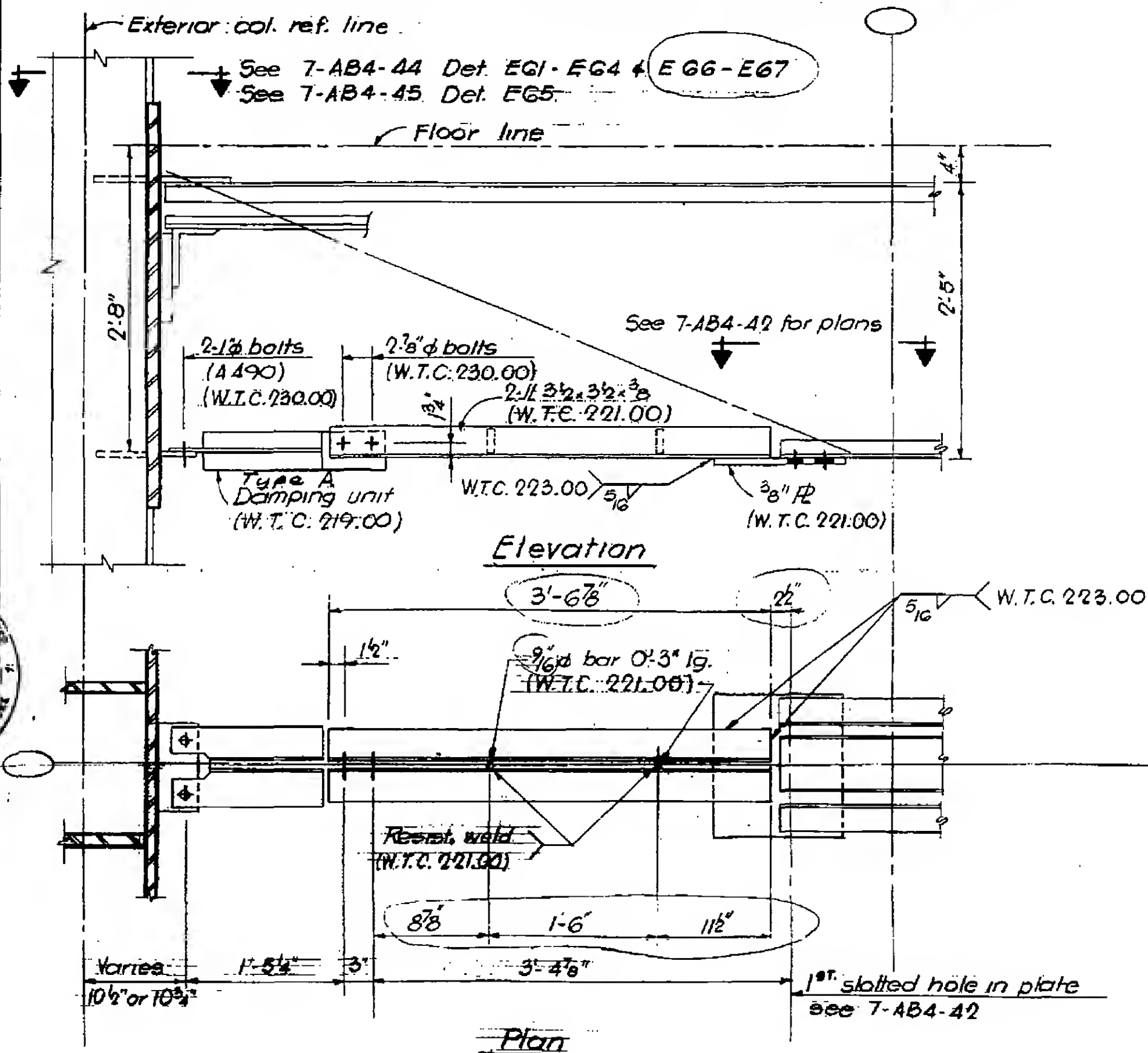
7-22-68



PROJECT THE WORLD TRADE CENTERTITLE FLOOR PANEL - DETAIL E61 TO E67DATE 10-10-67

REVISIONS

1-3-68
7-22-68



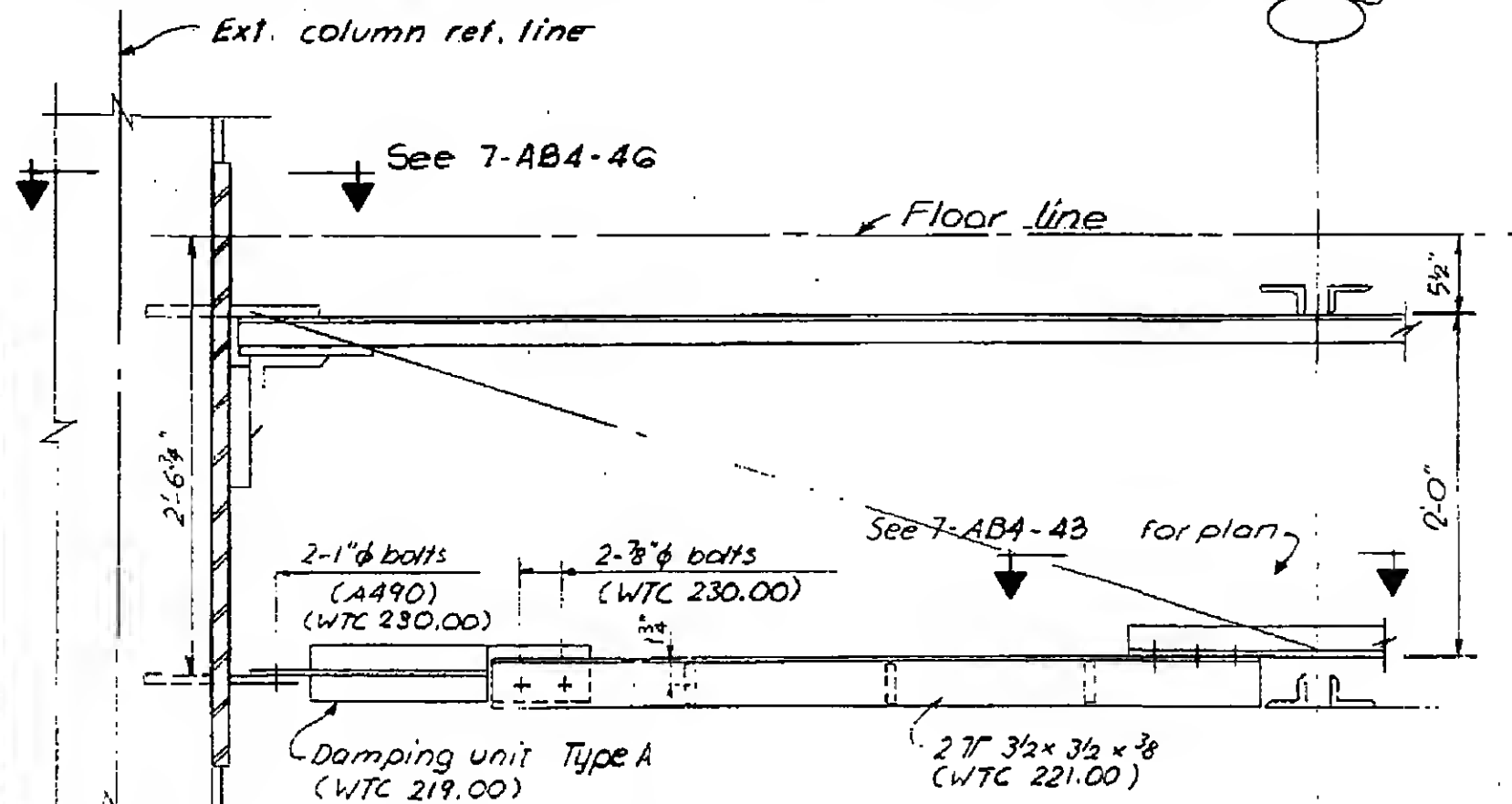
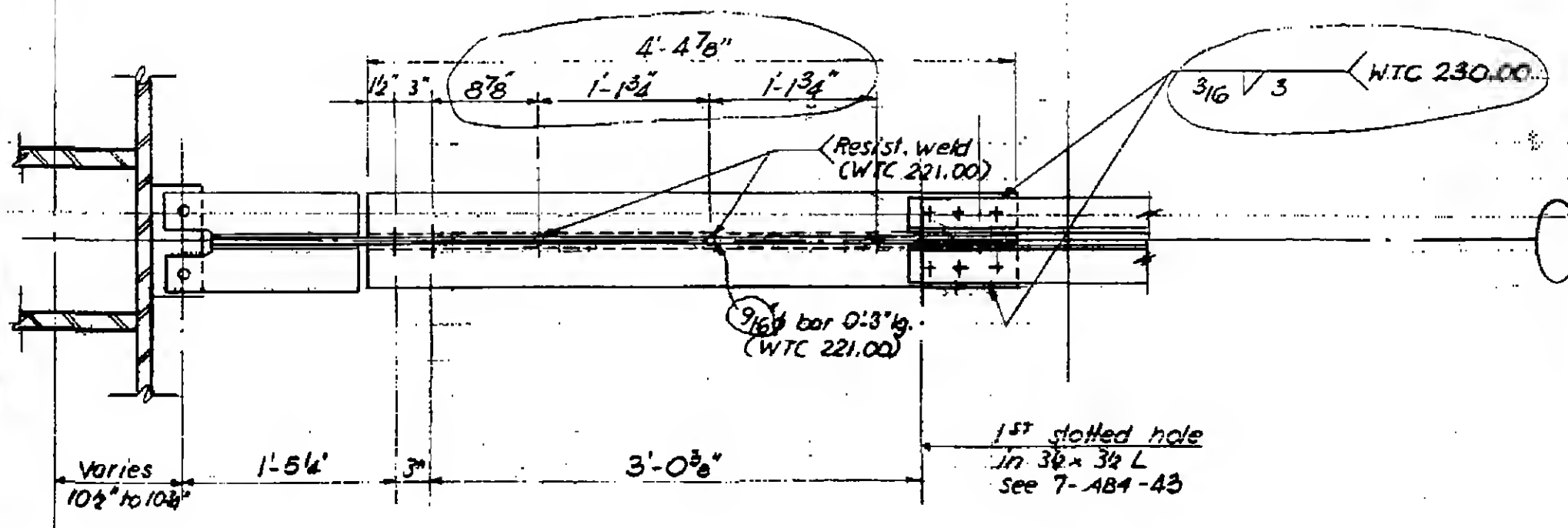
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E 68A

DATE 10-20-67

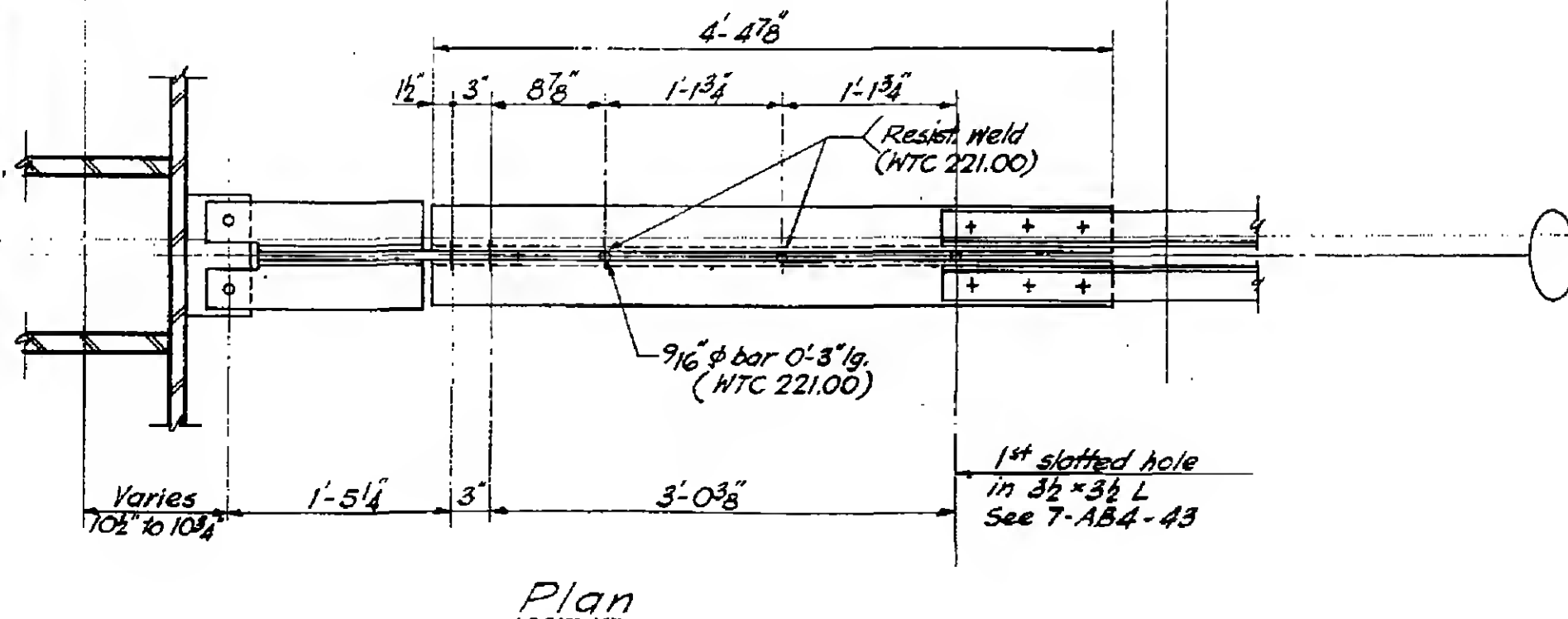
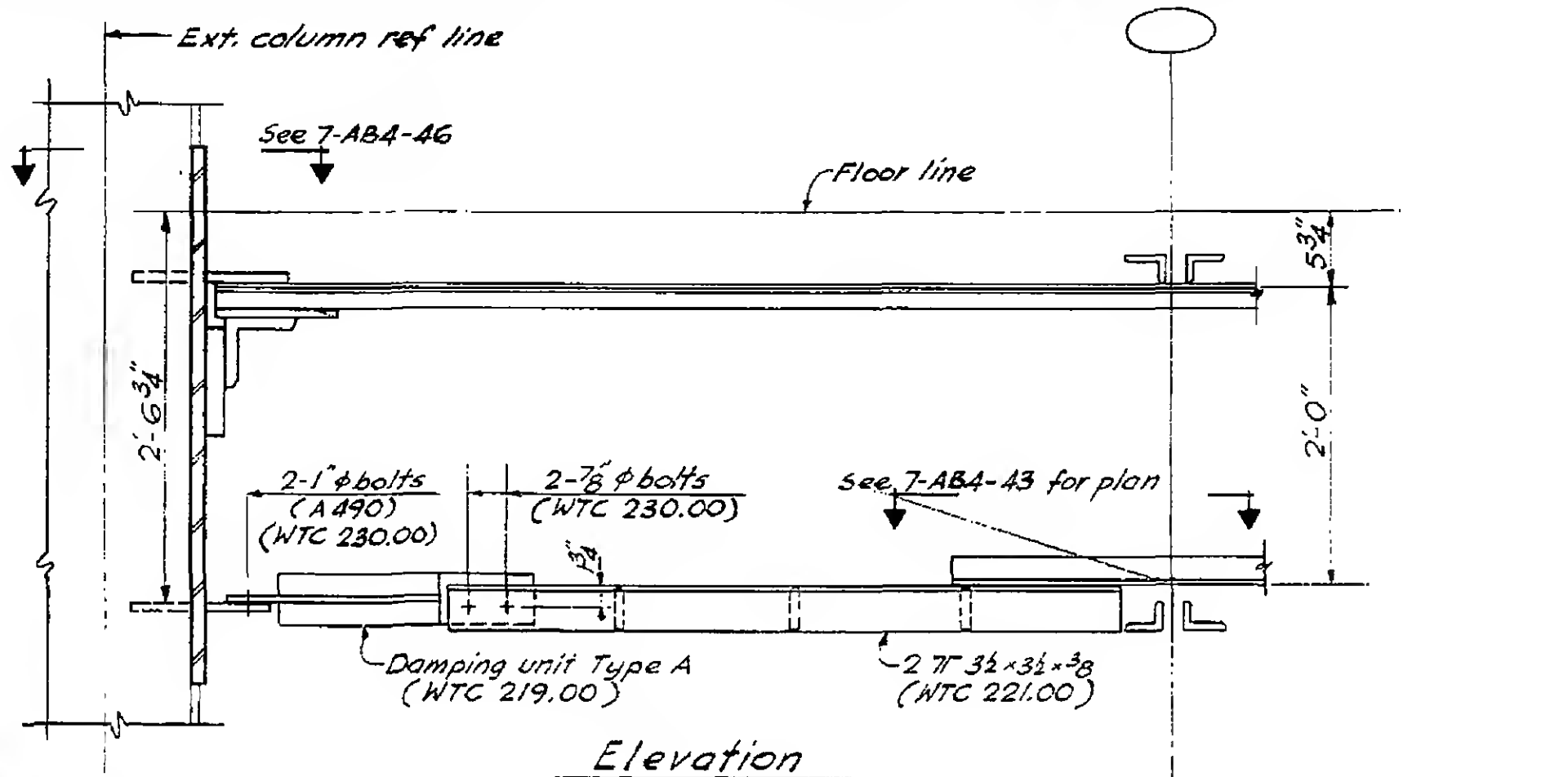
REVISIONS

1-3-68
7-22-68

ElevationPlan

7-AB4-41

REVISIONS



DESIGNED

DRAWN

REVIEWED

89

7-AB4-41.1

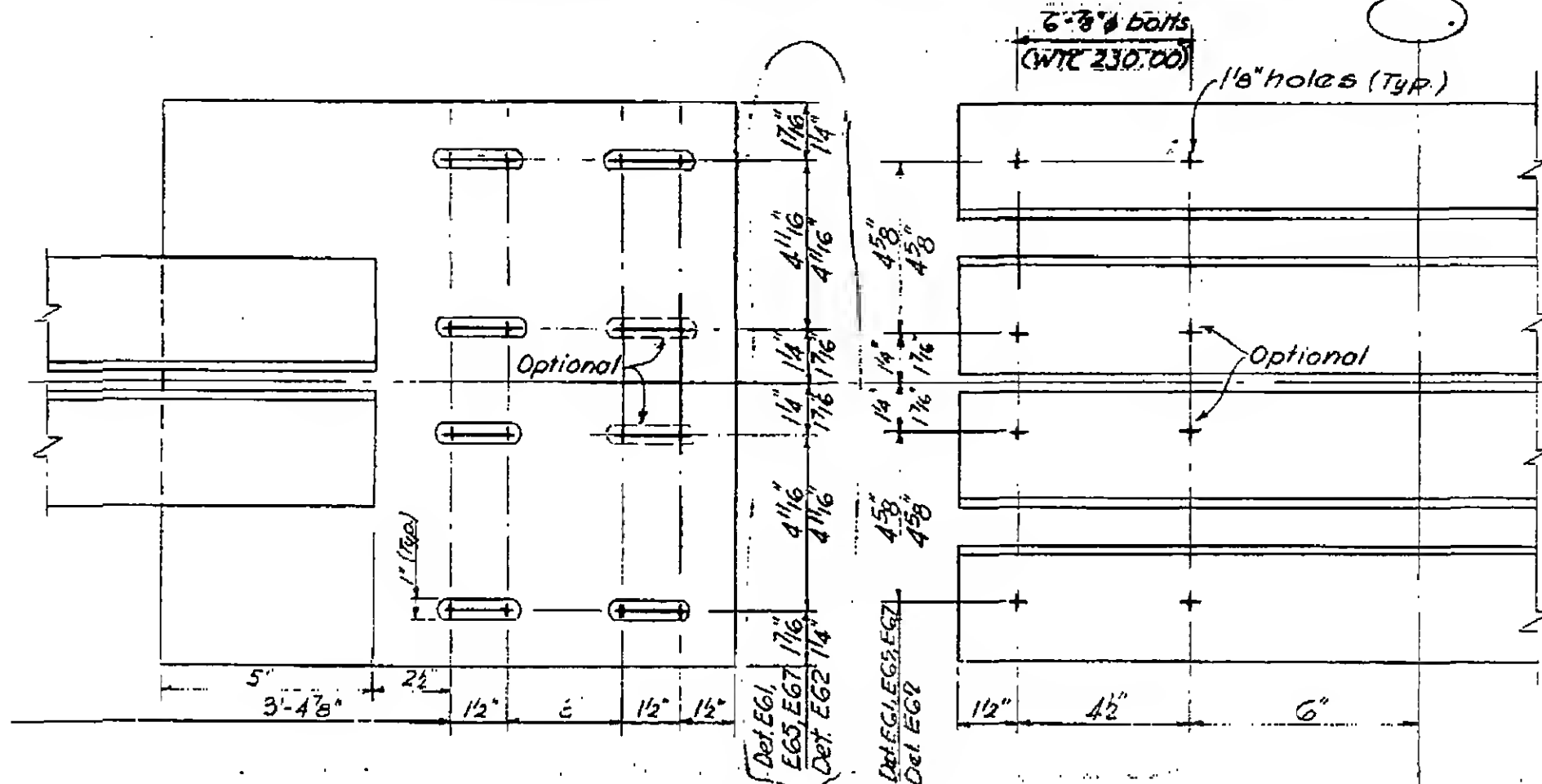
PROJECT THE WORLD TRADE CENTER

TITLE DAMPER CONNECTION DETAIL EG1 TO EG7

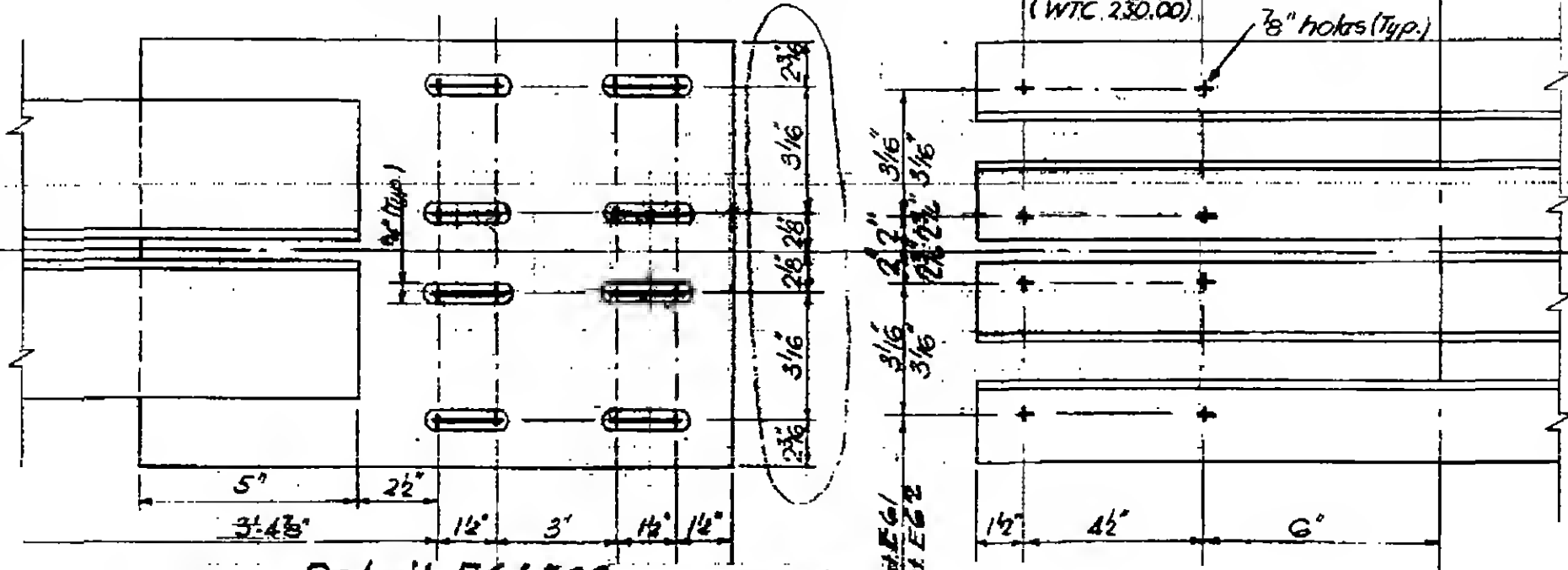
DATE 10-20-67

REVISIONS

1-3-68
4-1-68
7-22-68
10-15-68



Detail EG1, EG2, EG5, EG7
1L 3x2 Bottom chord



Detail EG1, EG2
1L 2x1 1/2 Bottom chord



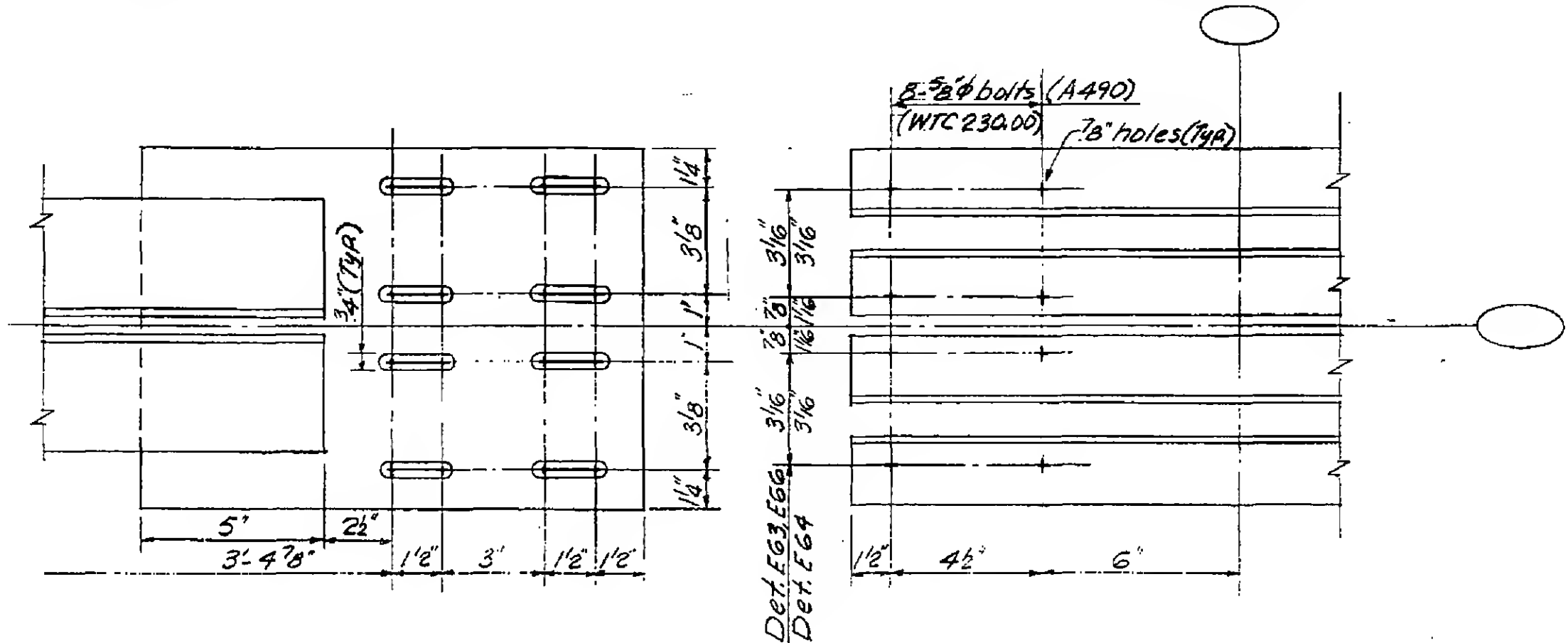
PROJECT THE WORLD TRADE CENTER

TITLE DAMPER CONNECTION DETAIL E61 TO E67

DATE 10-20-67

REVISIONS

1-3-68
 4-1-68
 7-22-68
 10-15-68



Detail E63, E64 & E66



PROJECT

THE WORLD TRADE CENTER

TITLE

DAMPER CONNECTION DETAIL E60, E68, E68A

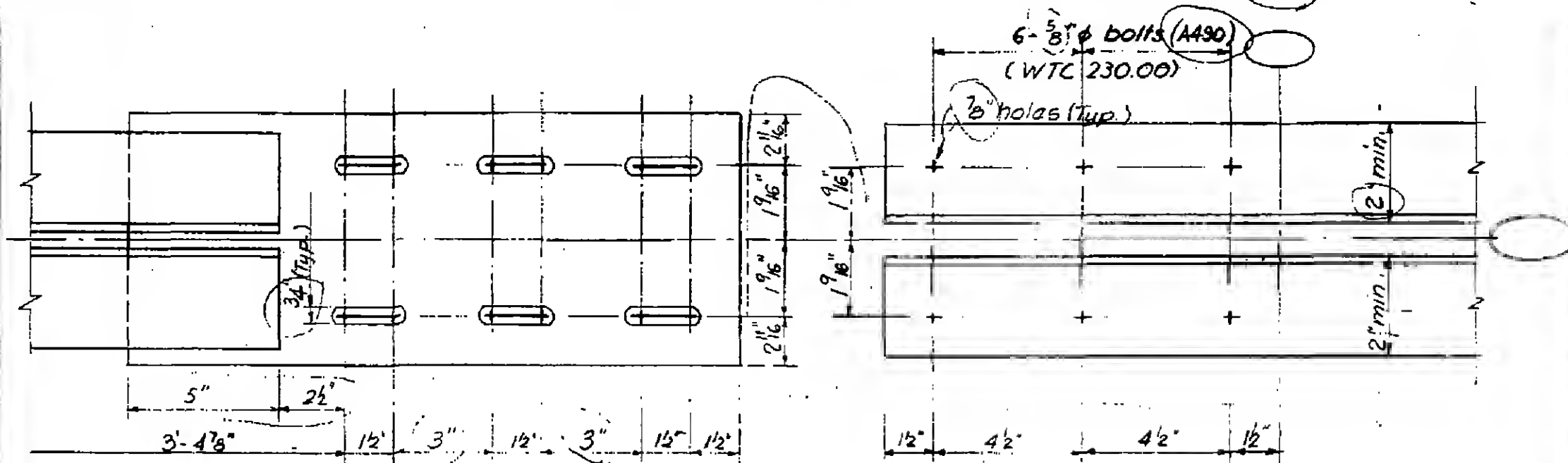
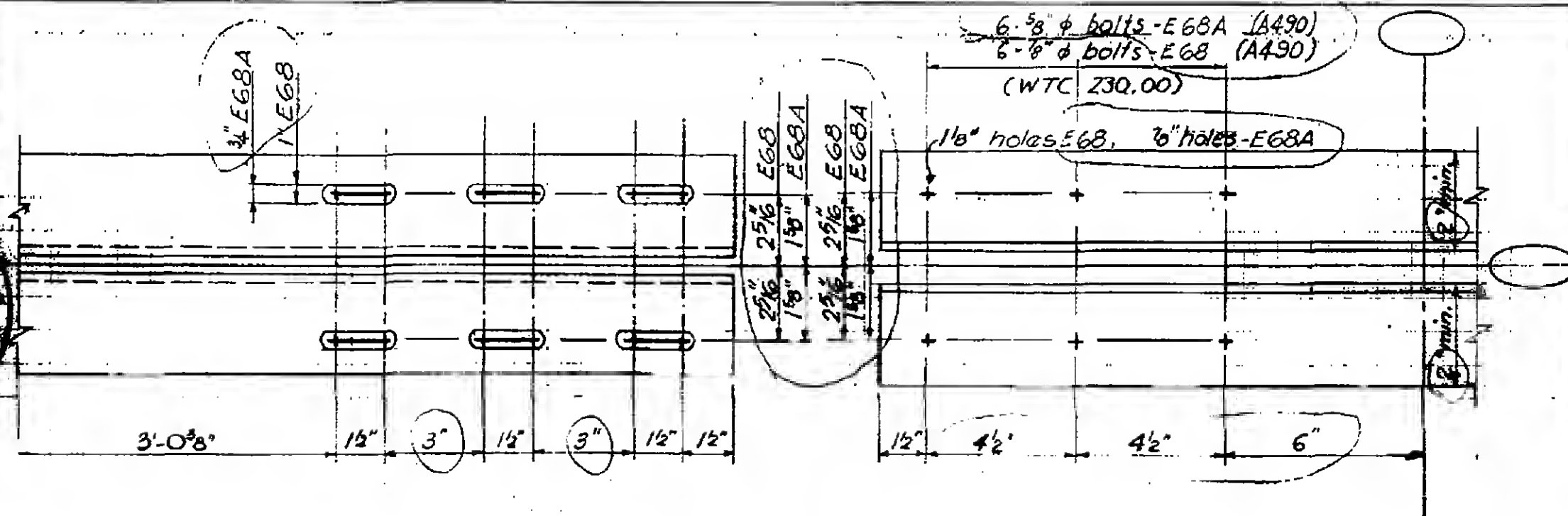
DATE

10-20-67

REVISIONS

1-3-68

7-22-68

Detail E60Detail E68 & E68A

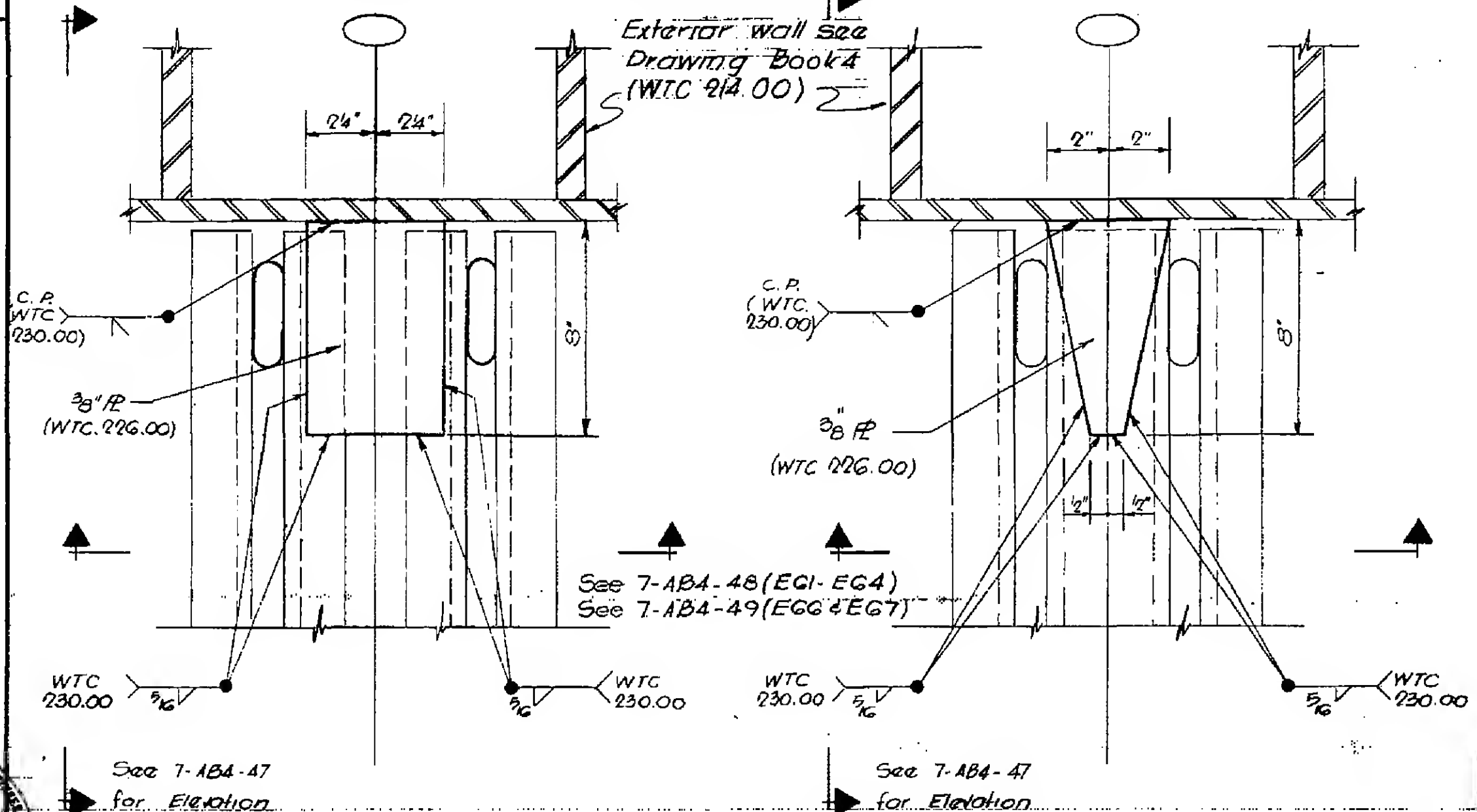
PROJECT THE WORLD TRADE CENTER

TITLE DETAIL EG1, EG2, EG3, EG4, EGG & EG7

DATE 10-20-67

REVISIONS

1-3-68

Detail EG1, EG2 & EG7Detail EG3, EG4 & EGG

REVISIONS

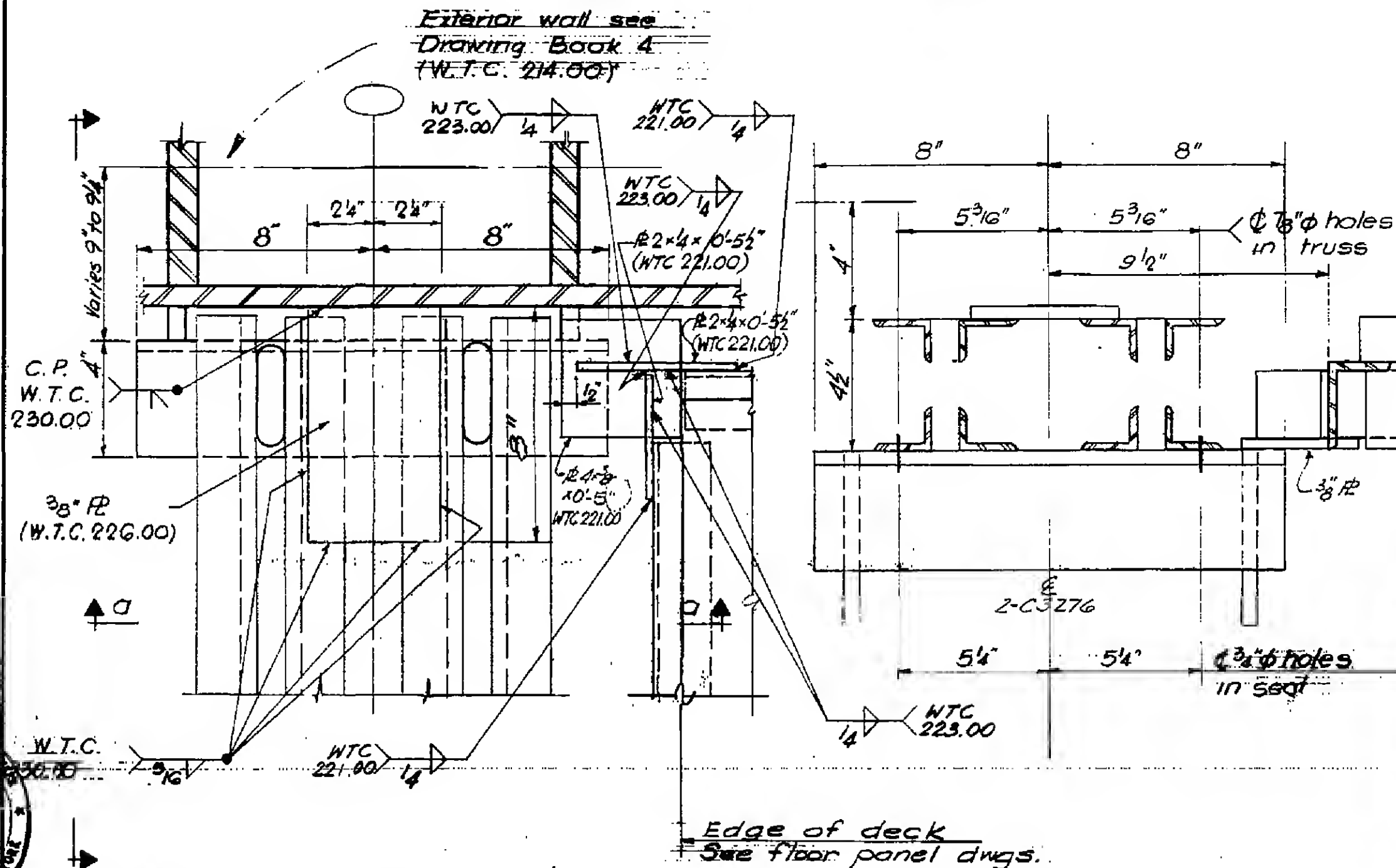
4-1-68

7-22-68

10-15-68

12-20-68

Exterior wall see
Drawing Book 4
(W.T.C. 214.00)



Plan

Section a-a



See 7-AB4:47
for Elevation

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

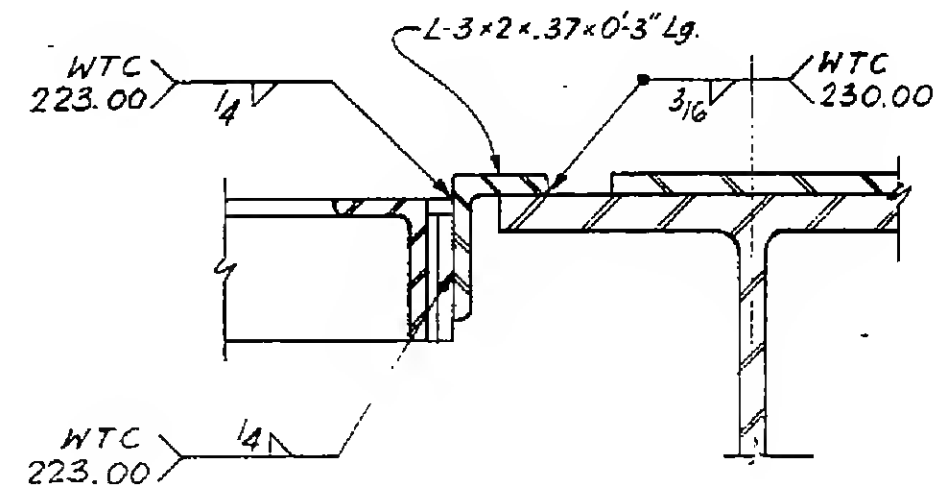
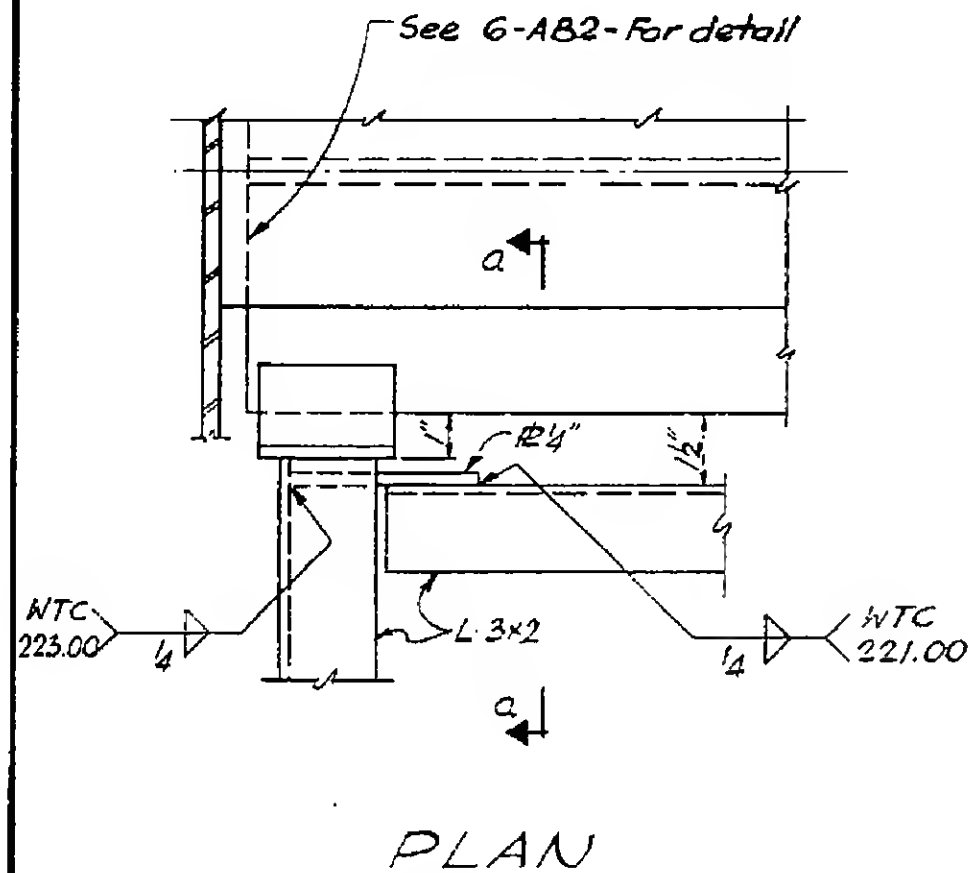
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

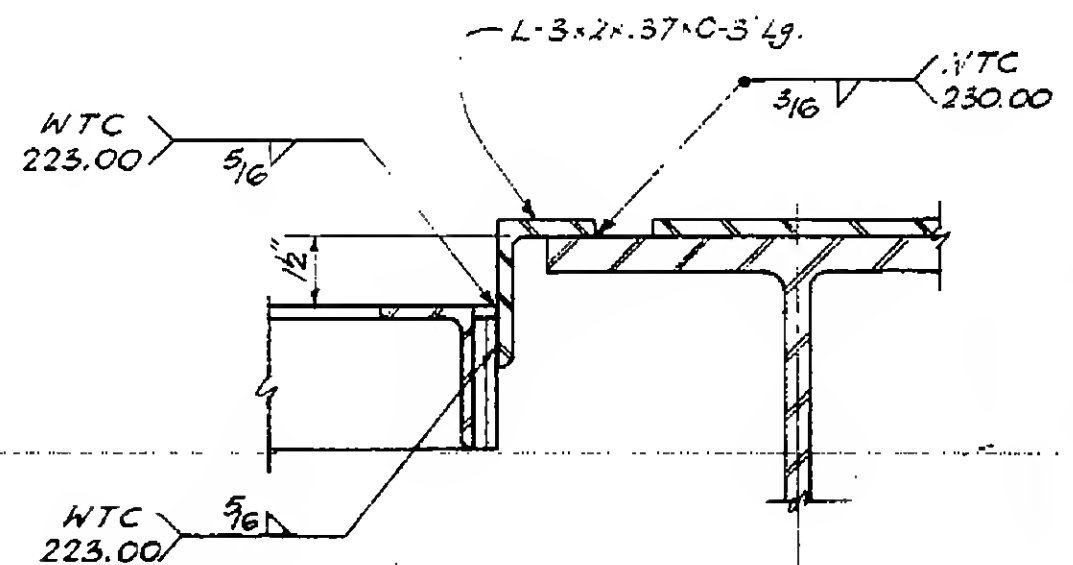
TITLE FLOOR PANEL - DETAIL E 65 A

DATE 11-25-68

REVISIONS

Section a-a

L 3x2 Deck Bms Top El. same as Top El. Wf. Bms.

Section a-a

L 3x2 Deck Bms. Top El. below El. Wf. Bms.



DESIGNED

DRAWN

REVIEWED

7-AB4-45.1

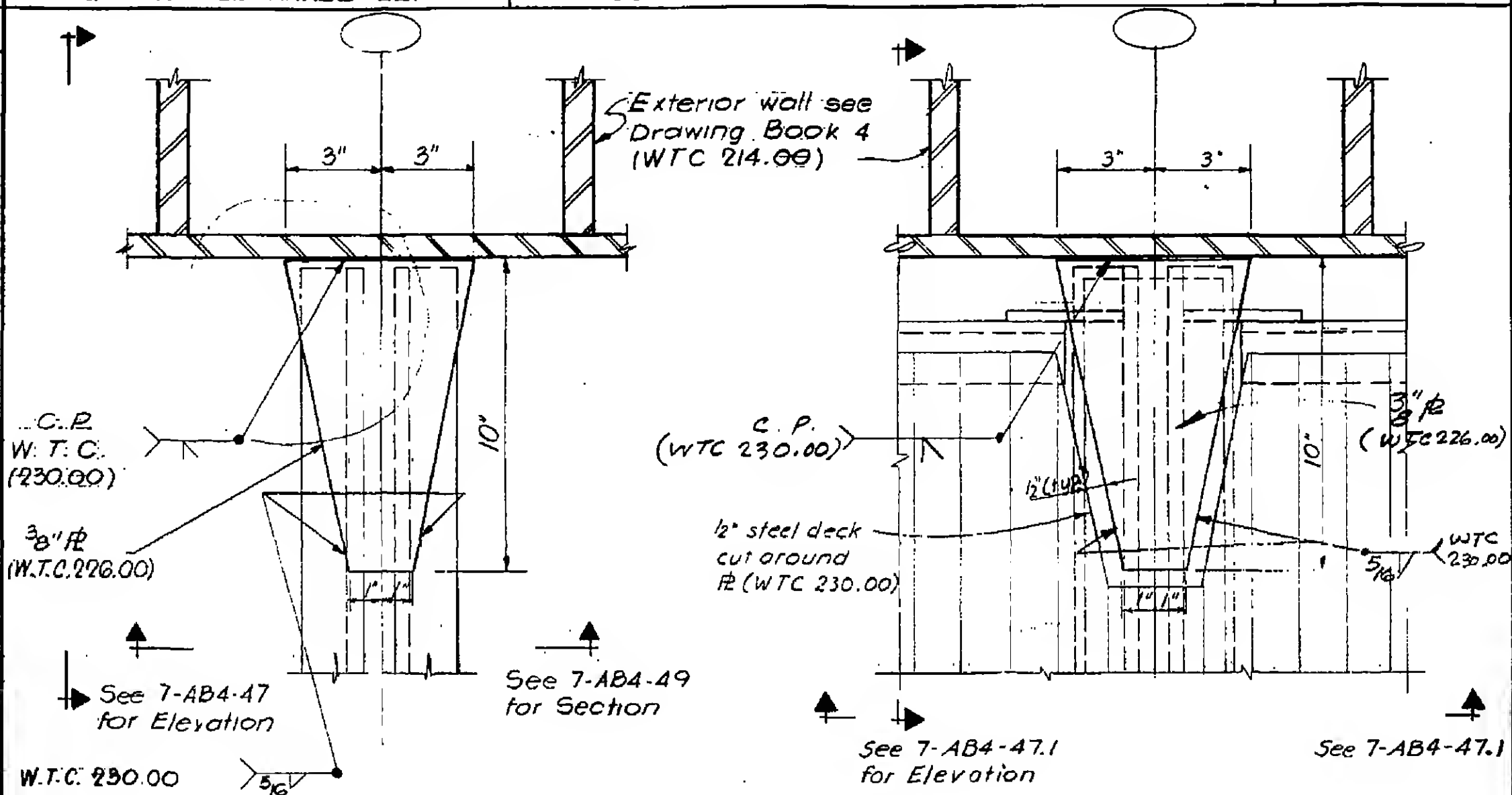
PROJECT ~~THE WORLD TRADE CENTER~~

TITLE FLOOR PANEL - DETAIL EGO & E68

DATE 1-3-68

REVISIONS

4-1-68
7-22-68
10-15-68

Detail EGODetail E68

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

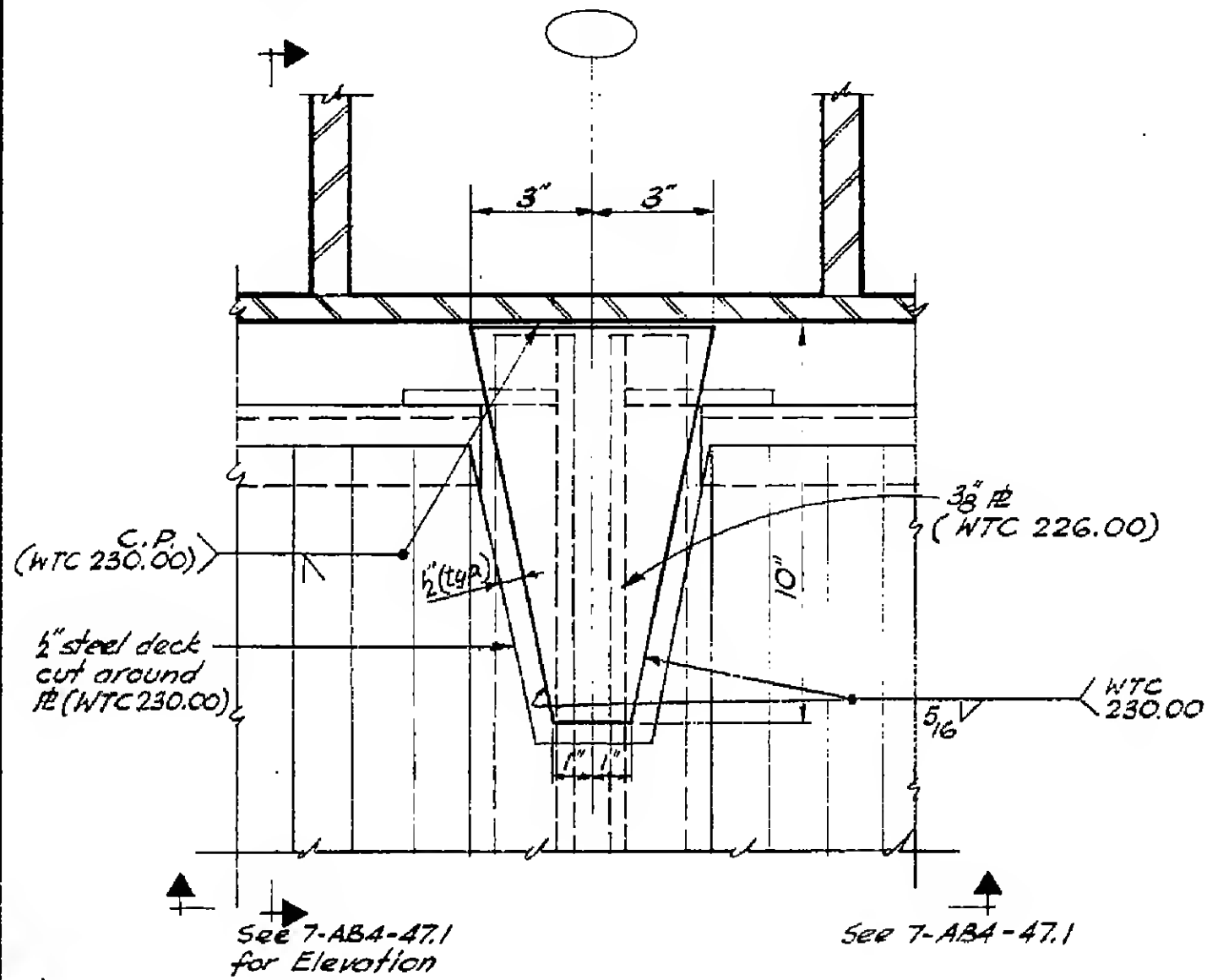
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E 68 A

DATE 7-22-68

REVISIONS

Detail E 68A

DESIGNED

DRAWN

REVIEWED

95

7-ABA-46.1

PROJECT

THE WORLD TRADE CENTER

TITLE

DETAIL E60, E61, E62, E63, E64, E65, E66, E67

DATE

10-20-67

REVISIONS

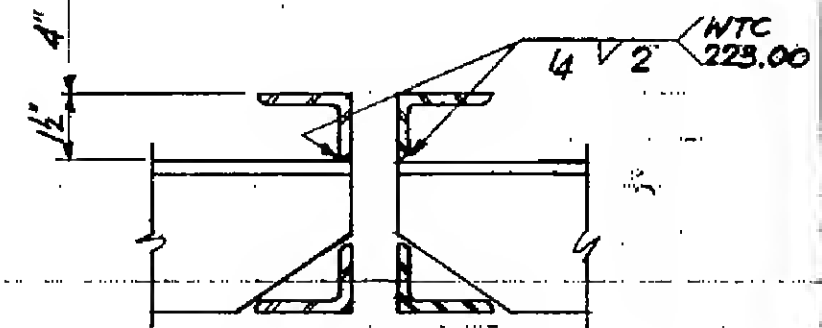
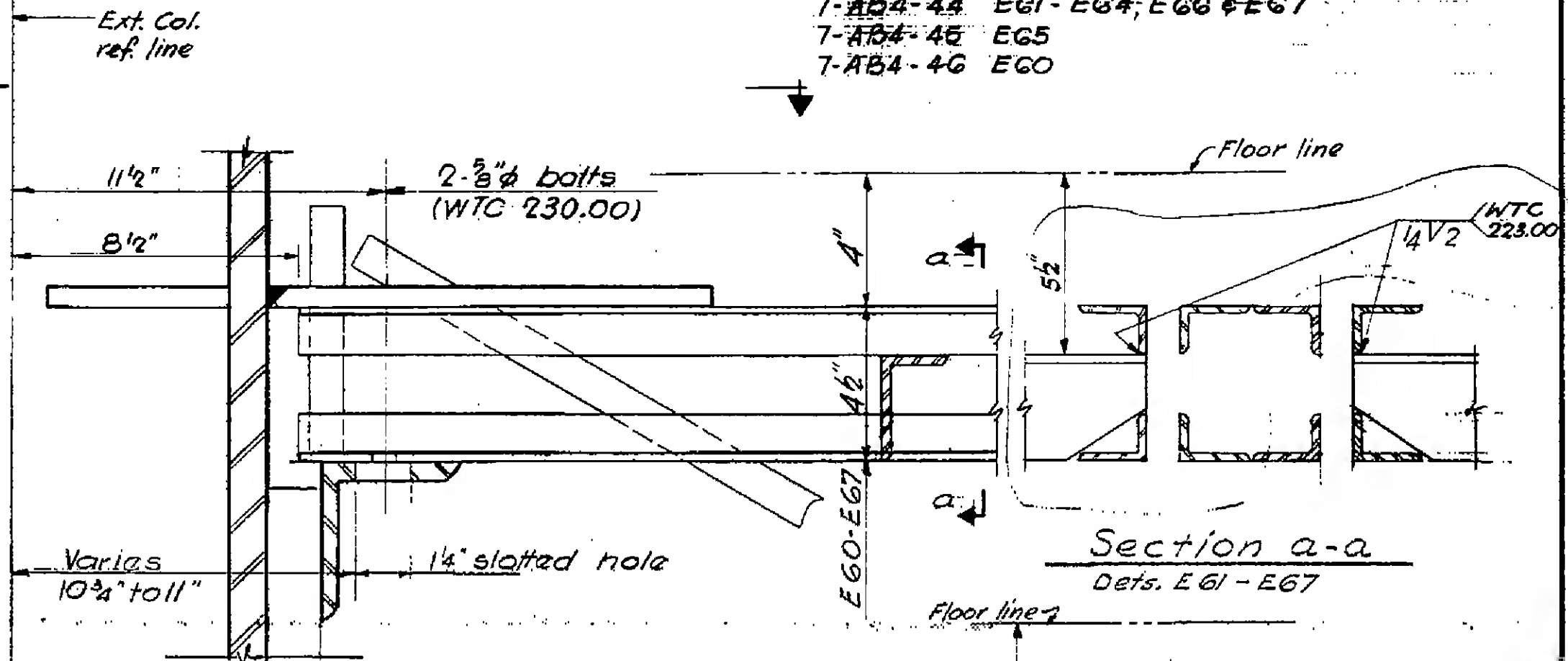
1-3-68
4-1-68
7-22-68

For plan see:

7-AB4-44 E61-E64; E66 & E67

7-AB4-45 E65

7-AB4-46 E60



PROJECT

THE WORLD TRADE CENTER

TITLE

DETAIL E68 & E68A

DATE

4-1-68

REVISIONS

7-22-68

10-15-68

Ext. Col.
Ref. line10 1/4" Floor 10-40 & 44-74
9 1/4" Floor 78-106

11 1/2"

2-5/8" bolts
(WTC 230.00)

8 1/2"

Floor line

a

5 1/2"

a

Varies
10 3/4" to 11"

1/4" slotted holes

DET. E68A

FOR PLAN SEE 7-AB4-46.1

Section a-a

10 1/4" Floor 10-40 & 44-74
9 1/4" Floor 78-106

11 1/2"

2-5/8" bolts
(WTC 230.00)

8 1/2"

Floor line

b

5 3/4"

b

Varies
10 3/4" to 11"

1/4" slotted holes

FOR PLAN SEE 7-AB4-46

DETAIL E68

Section b-b



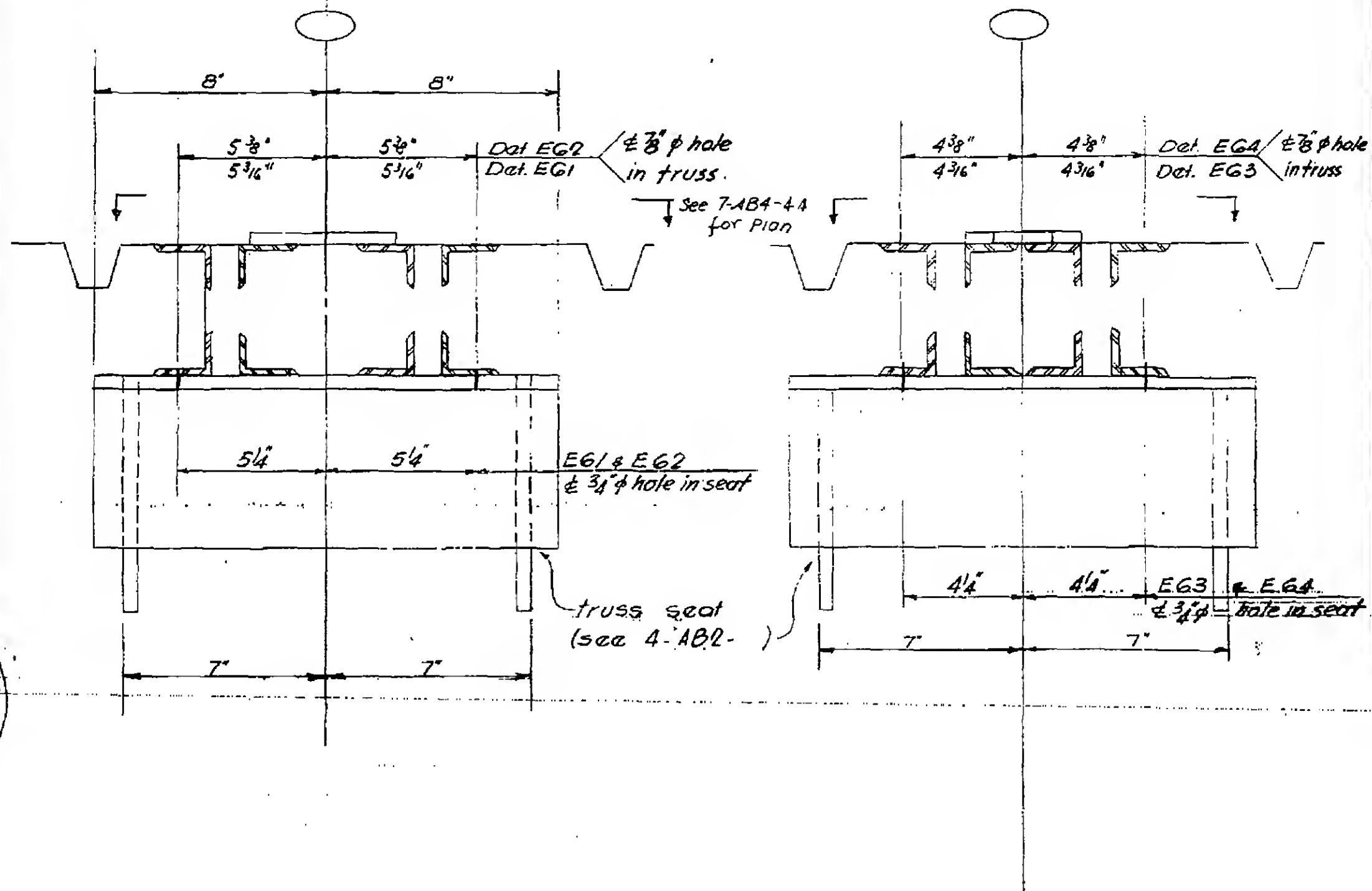
PROJECT THE WORLD TRADE CENTER

TITLE DETAIL EG1, EG2, EG3 & EG4

DATE 10-20-67

REVISIONS

1-3-68

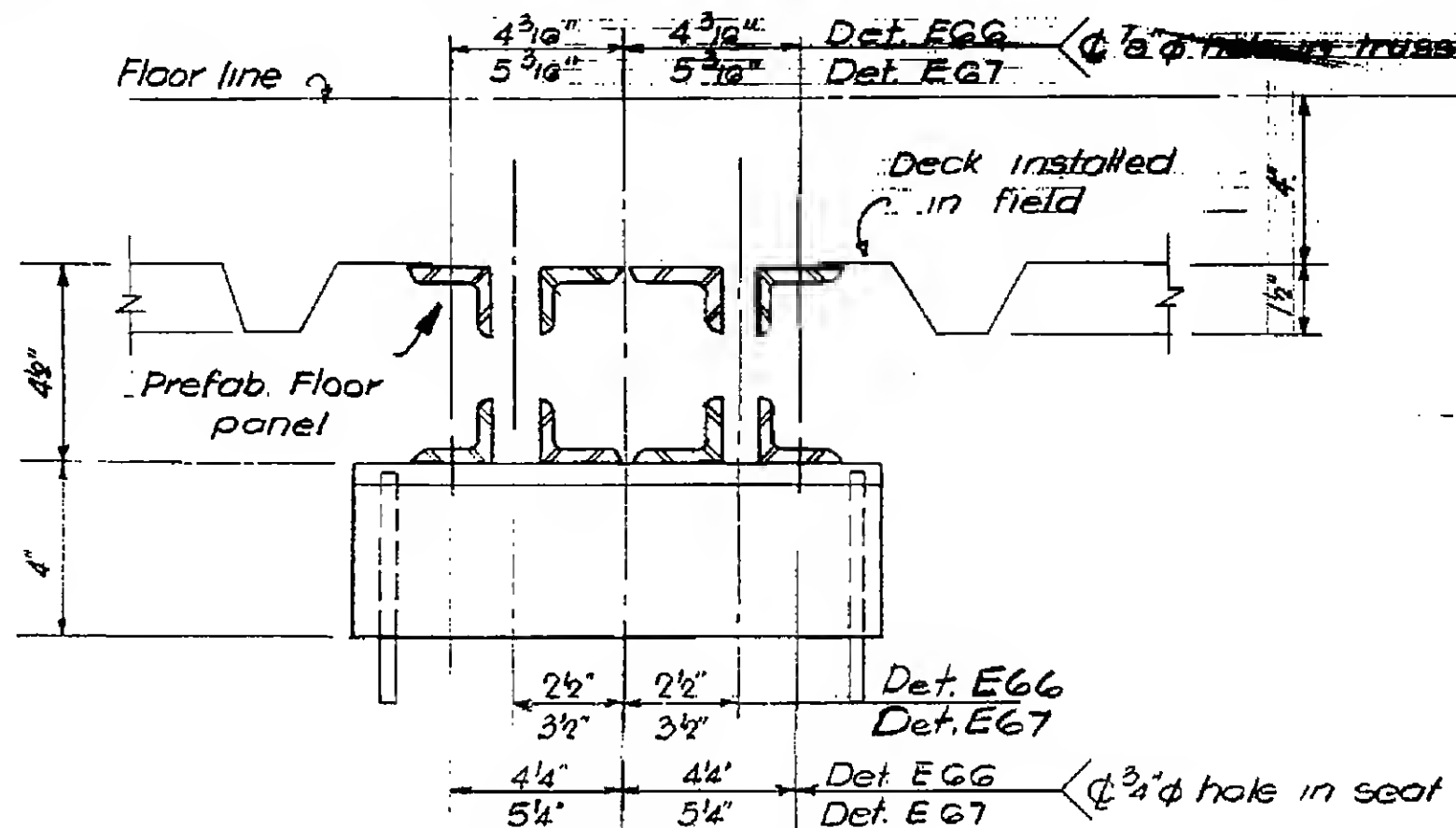


REVISIONS

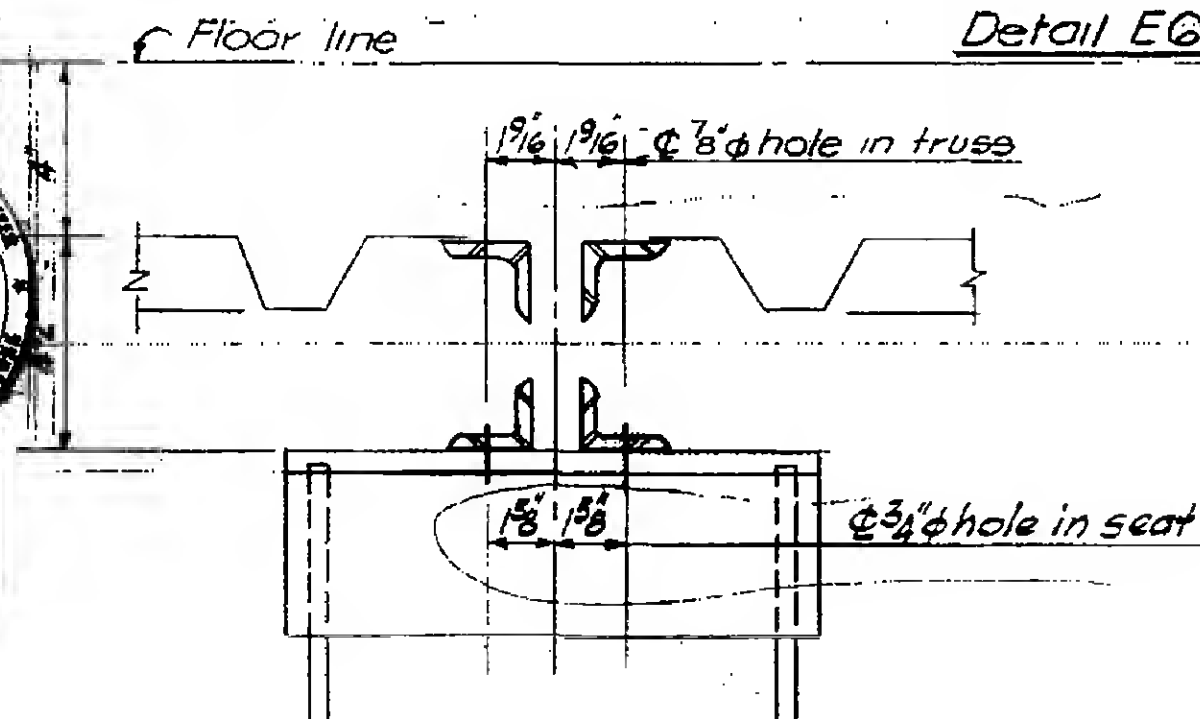
1-3-68

4 - 1 - 68

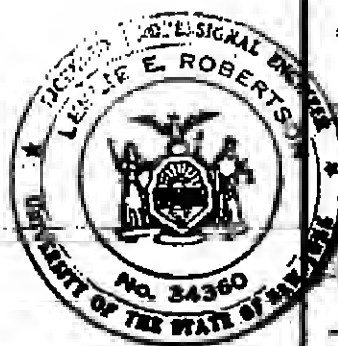
7-22-68



Detail E66 & E67:



Detail EGO



SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

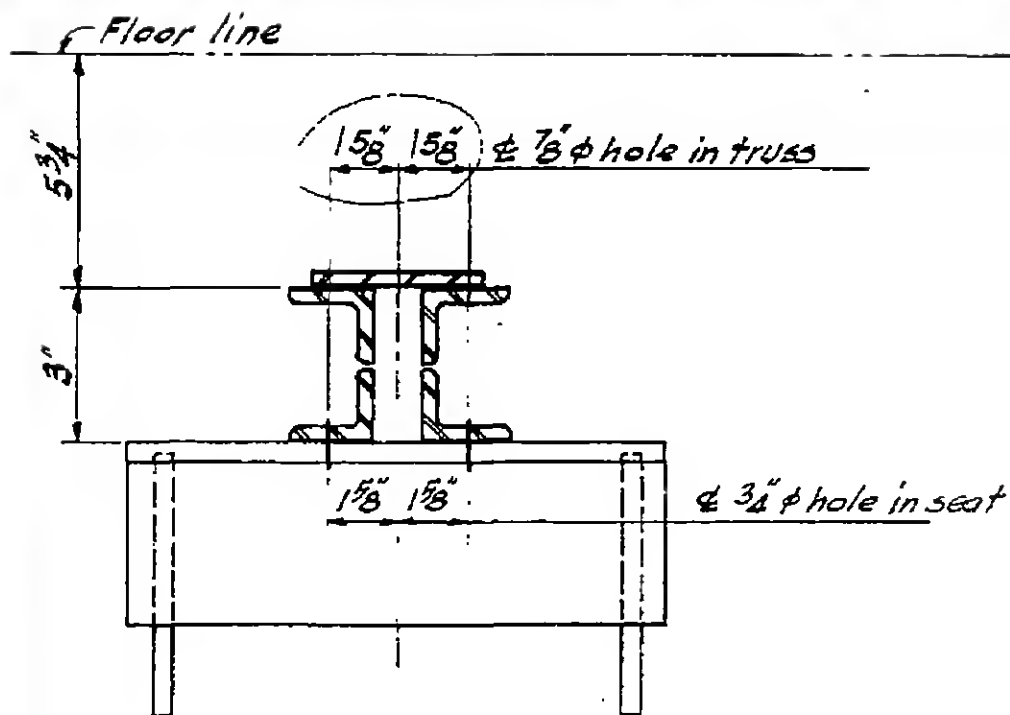
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E68 & E68A

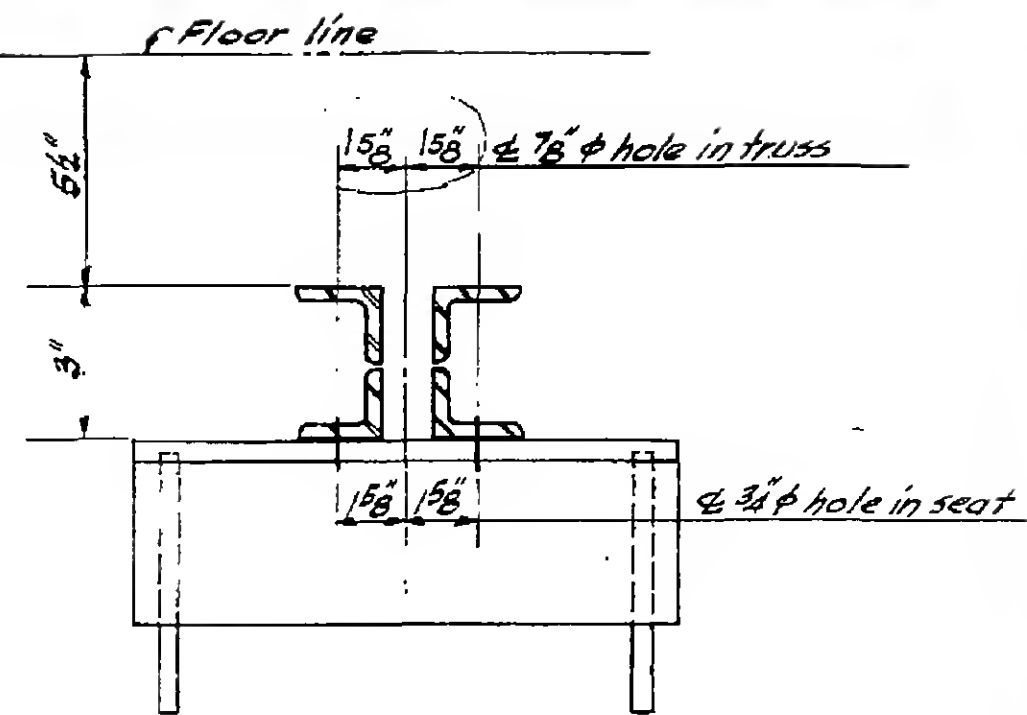
DATE 7-22-68

REVISIONS

10-15-68



Detail E 68



Detail E 68A



DESIGNED

DRAWN

REVIEWED

99

7-AB4-49.1

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

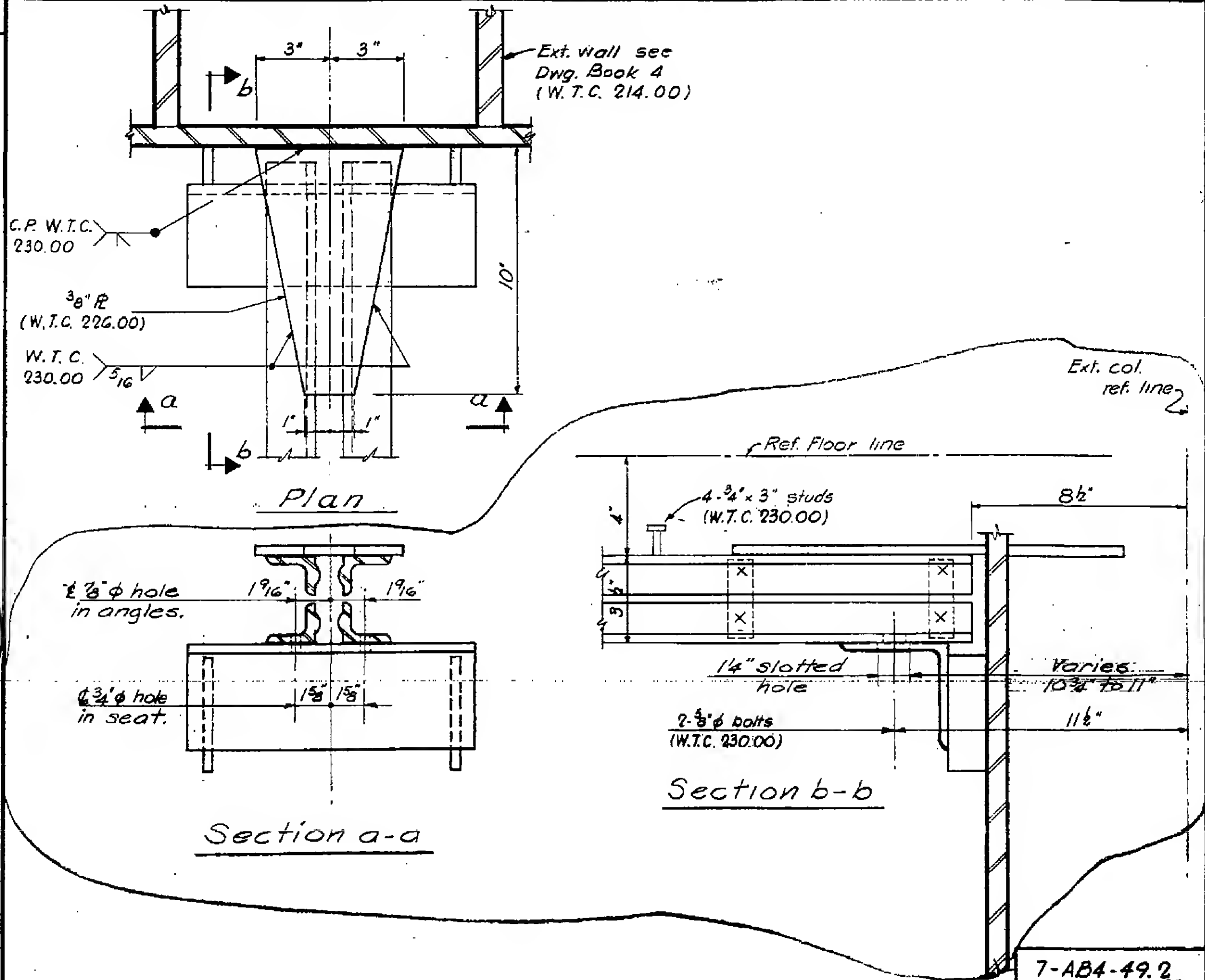
PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL - DETAIL E 69

DATE 8-15-68

REVISIONS

10-4-68



DESIGNED

DRAWN

REVIEWED

7-AB4-49.2

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

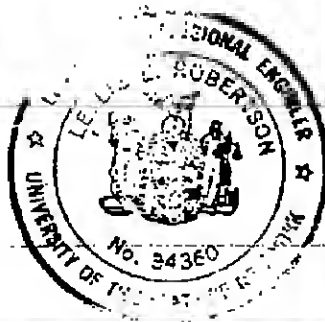
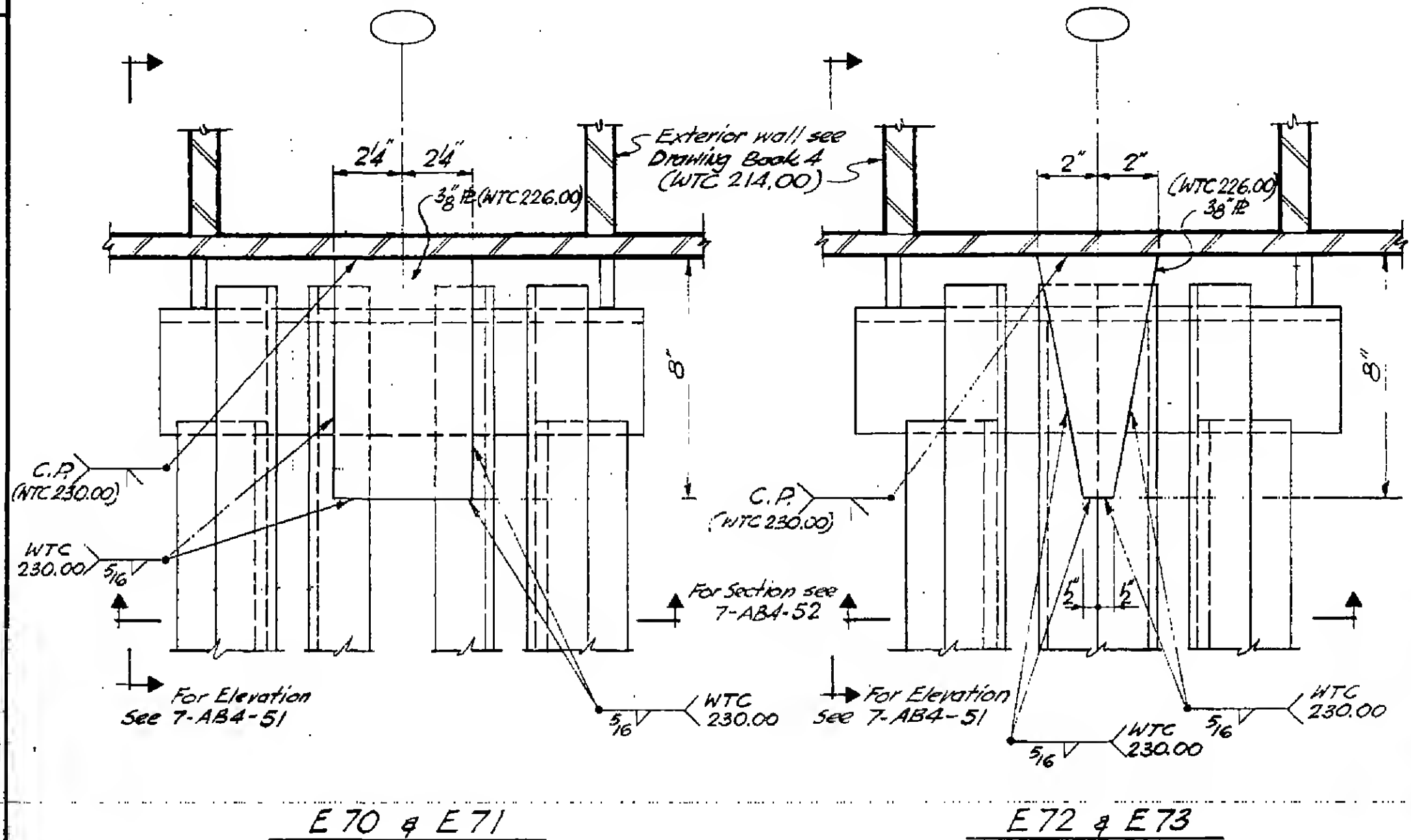
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE DETAIL E70, E71, E72, E73

DATE 8-1-68

REVISIONS



DESIGNED

DRAWN

REVIEWED

7-AB4-50

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

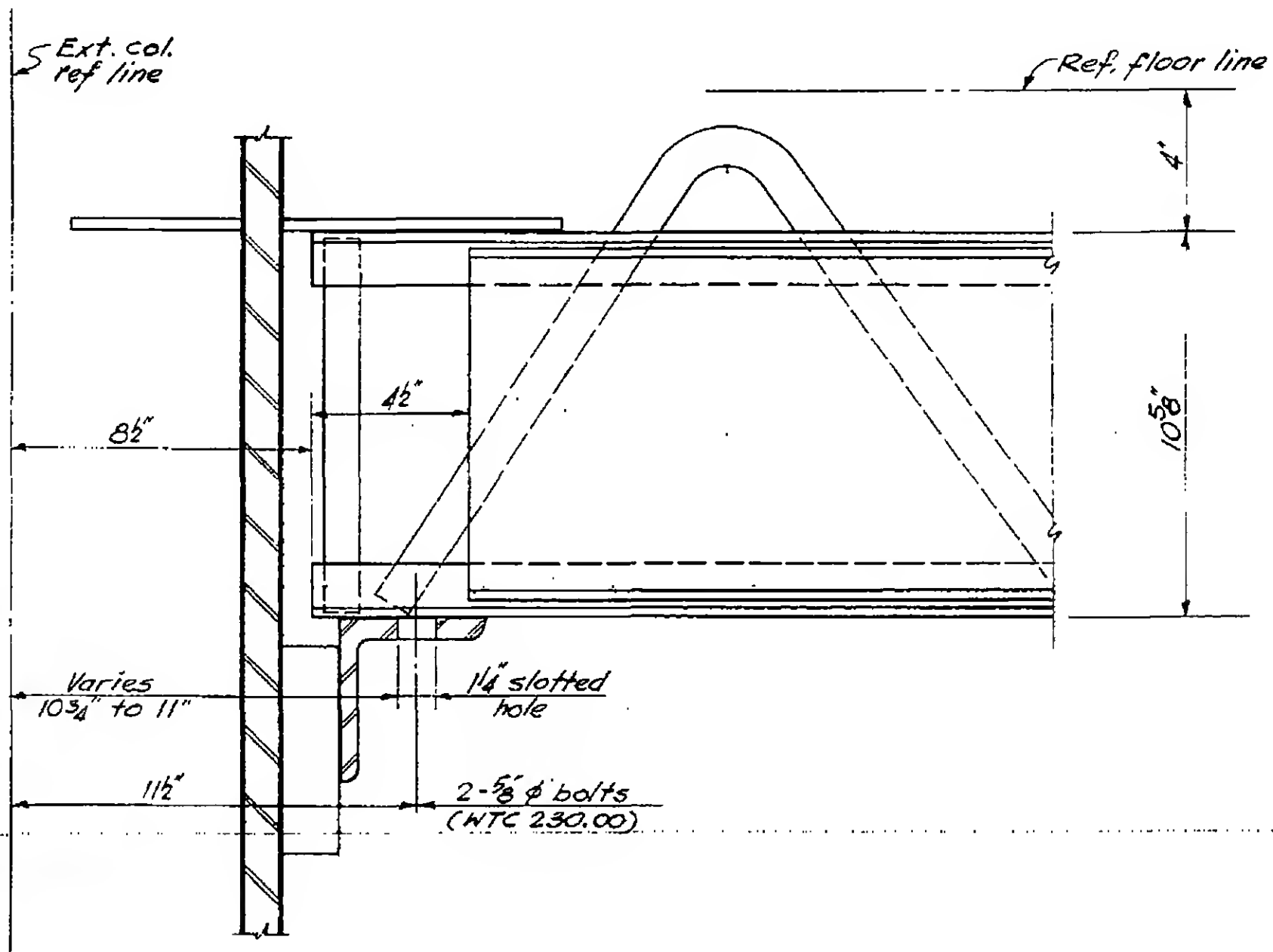
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE DETAIL E70, E71, E72, E73

DATE 8-1-68

REVISIONS



DESIGNED

DRAWN

REVIEWED

7-AB4-51

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT *THE WORLD TRADE CENTER*

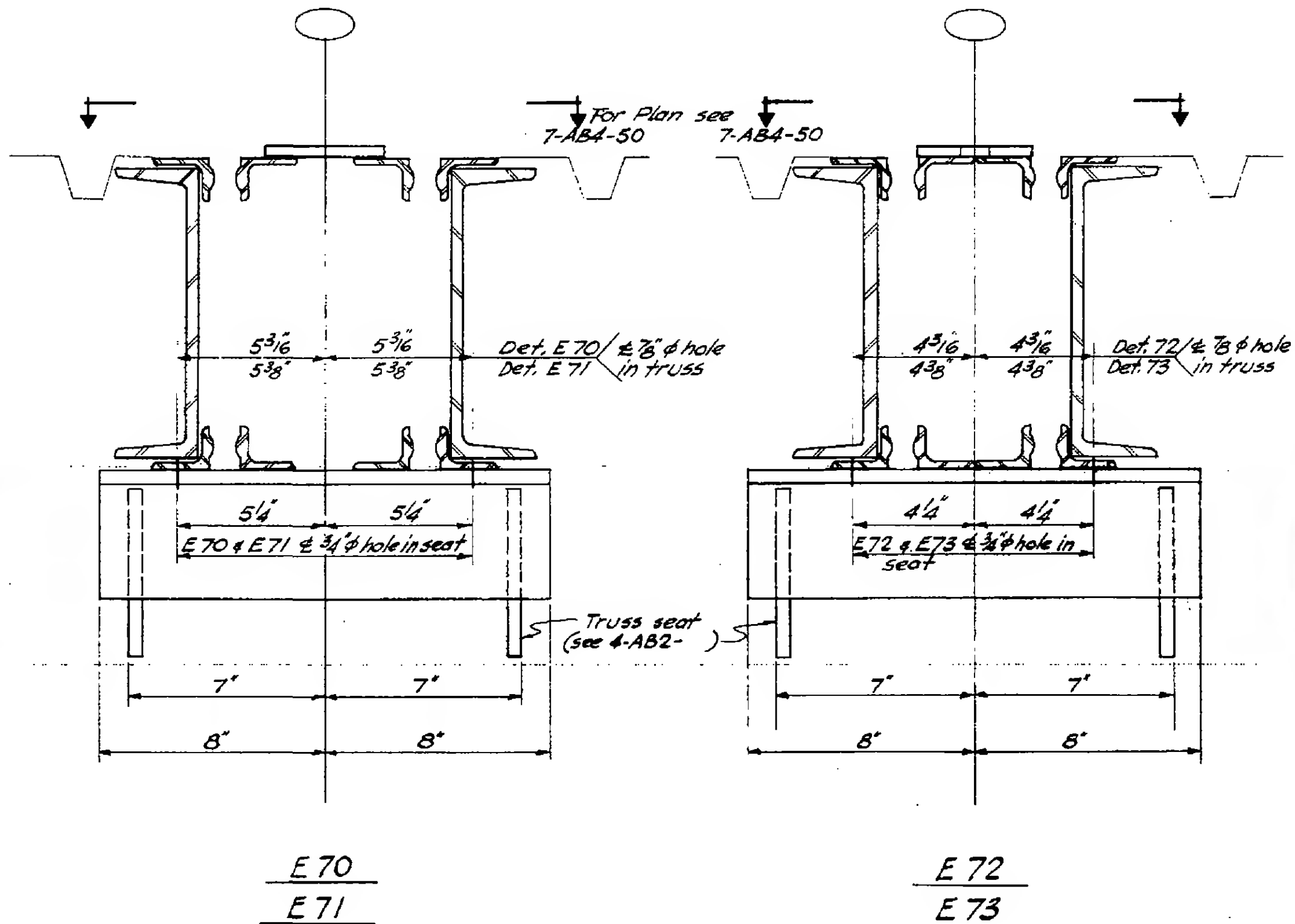
TITLE

DETAIL E 70, E 71, E 72, E 73

DATE

8-1-68

REVISIONS



DESIGNED

DRAWN

REVIEWED

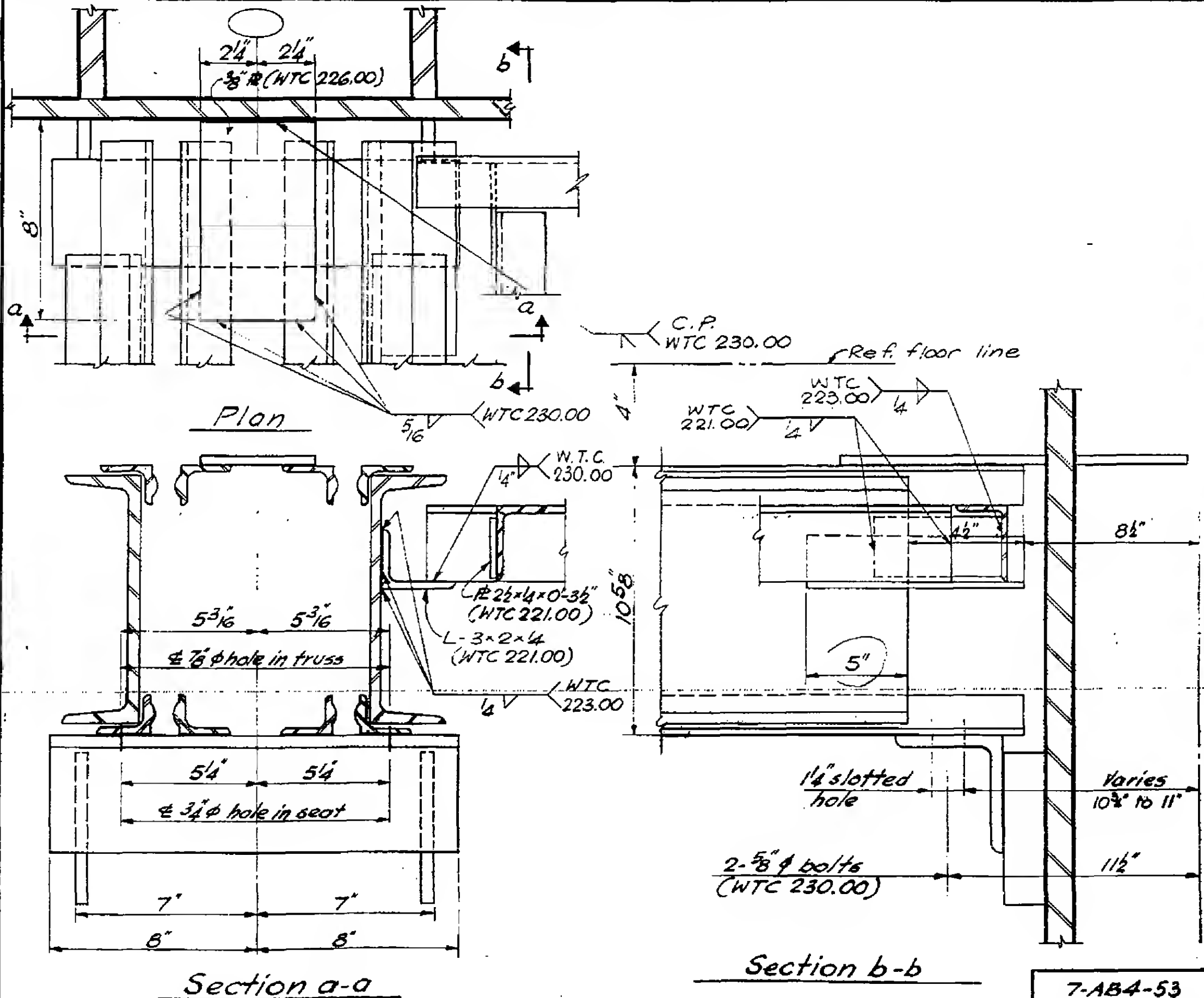
7-AB4-52

Structural & Civil Engineers

TITLE FLOOR PANEL - DETAIL E 74

DATE 8-15-68

10-4-68



2010年10月1日

DRAWN

REVIEWER

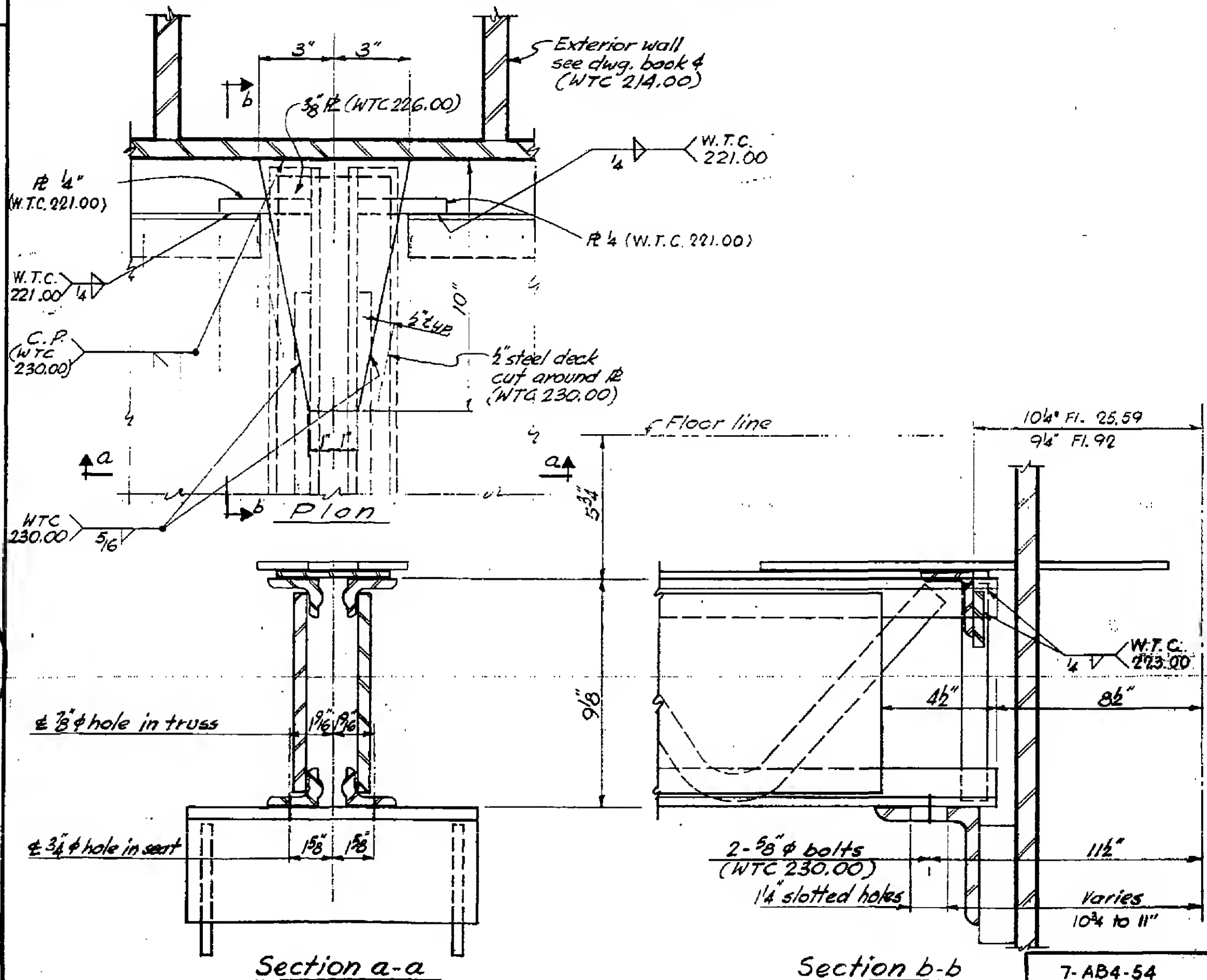
7-AB4-53

Structural & Civil Engineers

TITLE FLOOR PANEL - DETAIL E 75

DATE 8-15-68

10-4-68



DATE: 0-1-10

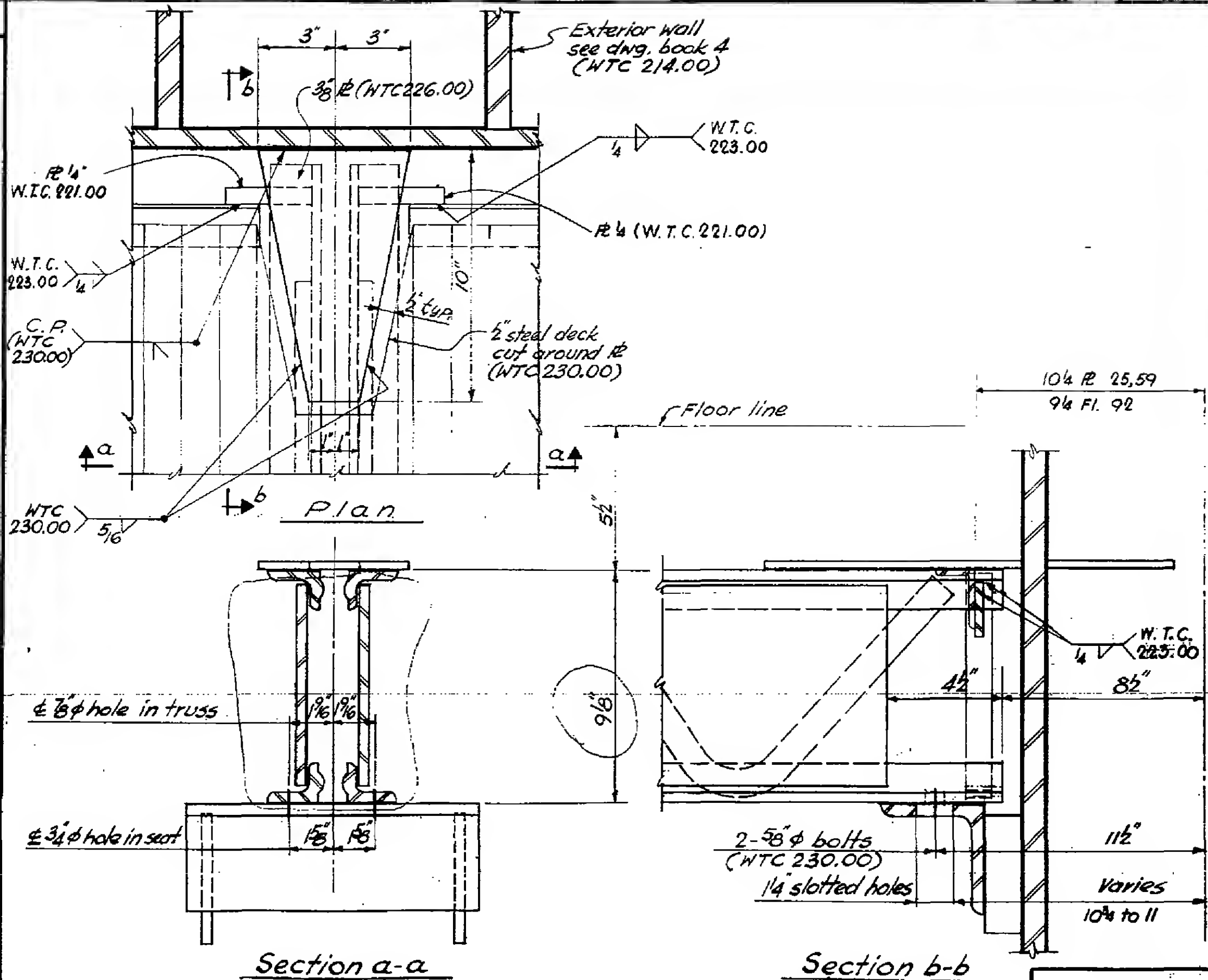
DRAWN

REVIEWERS

7-AB4-54

REVISIONS

10-4-68



DESIGNED

DRAWN

REVIEWED

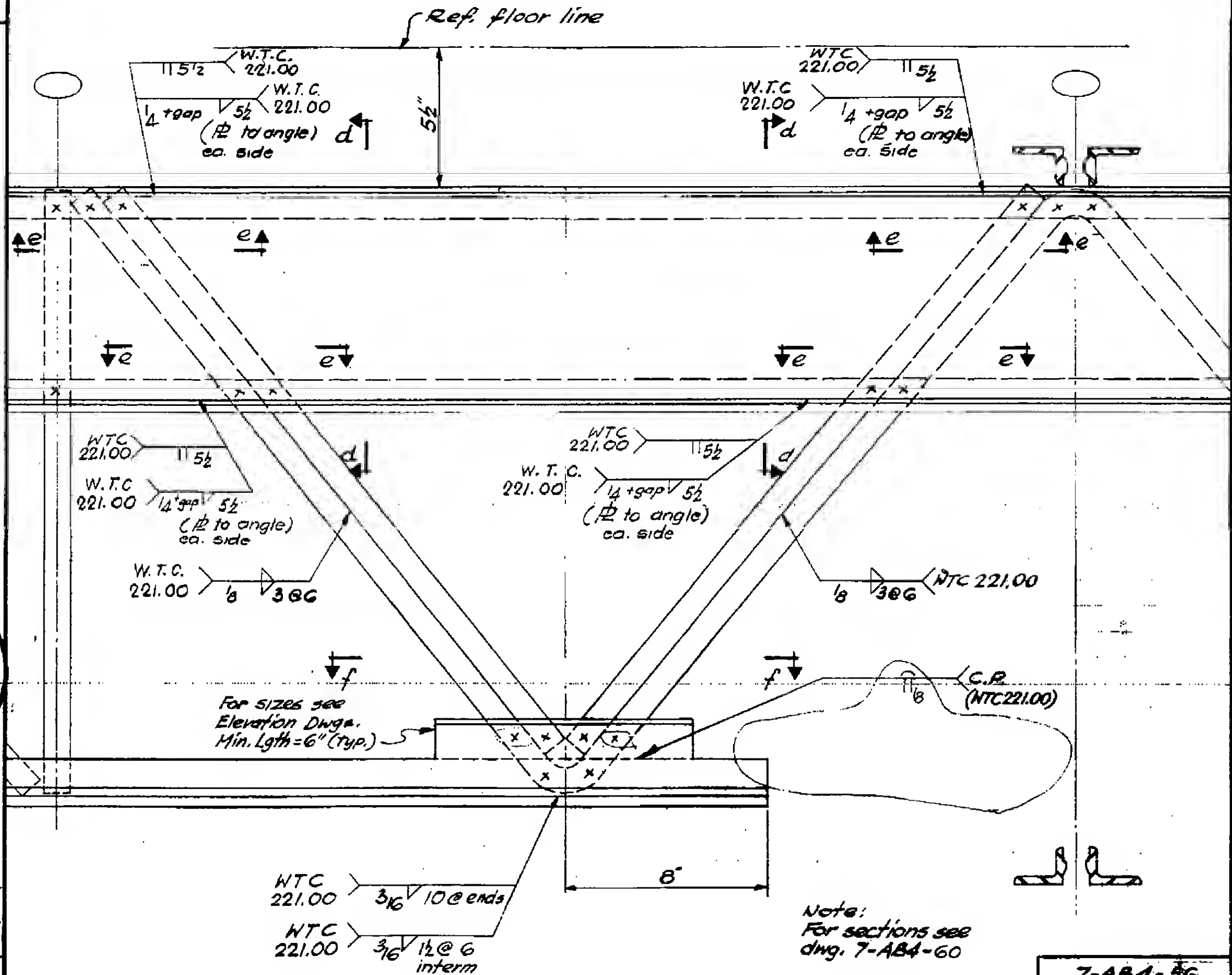
7-AB4-55

Structural & Civil Engineers

TITLE *FLOOR PANEL - DETAIL* E 76

DATE 8-15-68

10-4-68



DISPOSED

DRAWN

REVIEWED

7-AB4-56

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

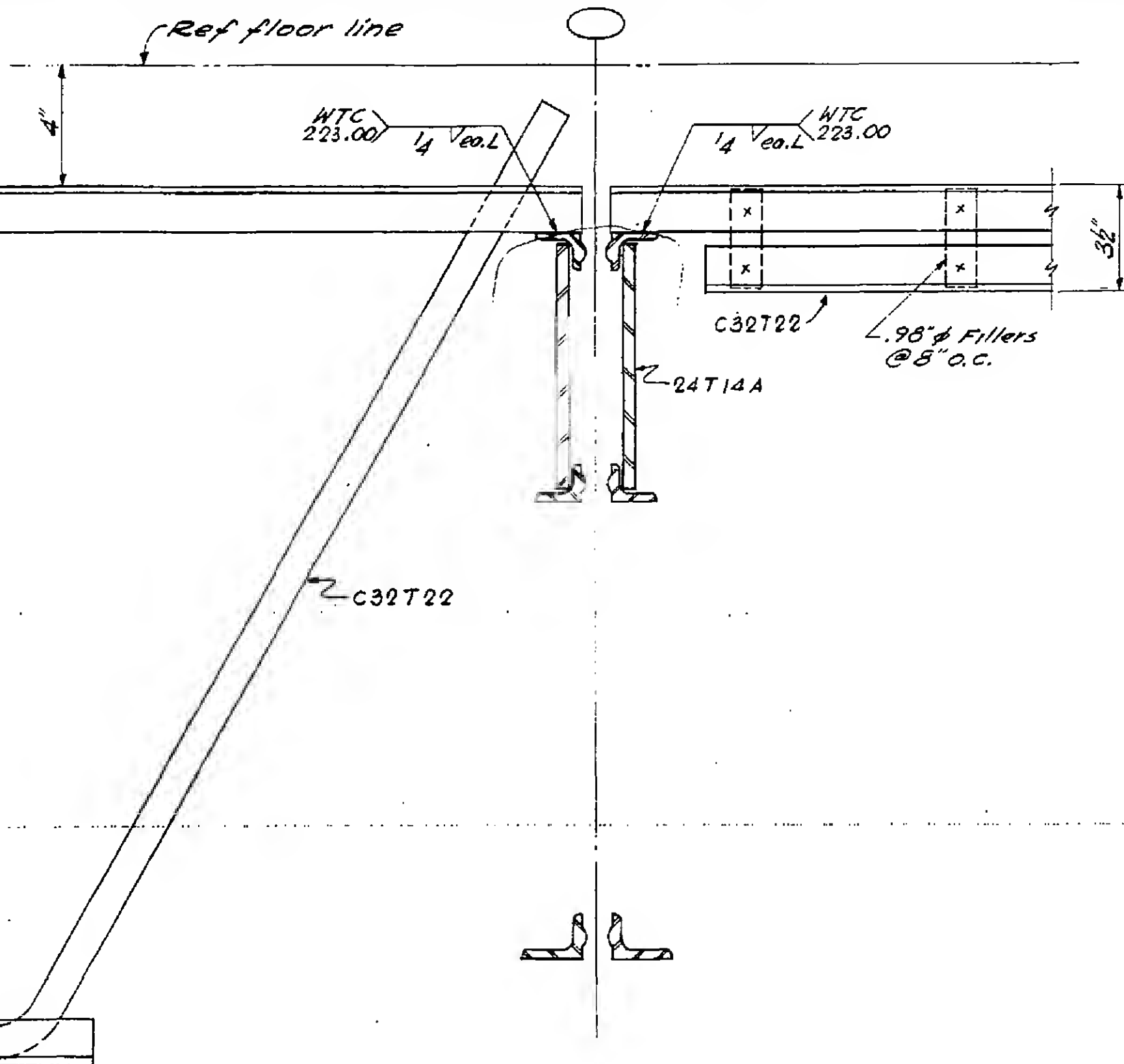
FLOOR PANEL - DETAIL E 76

DATE

8-15-68

REVISIONS

10-4-68



7-AB4-57

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT

THE WORLD TRADE CENTER

TITLE

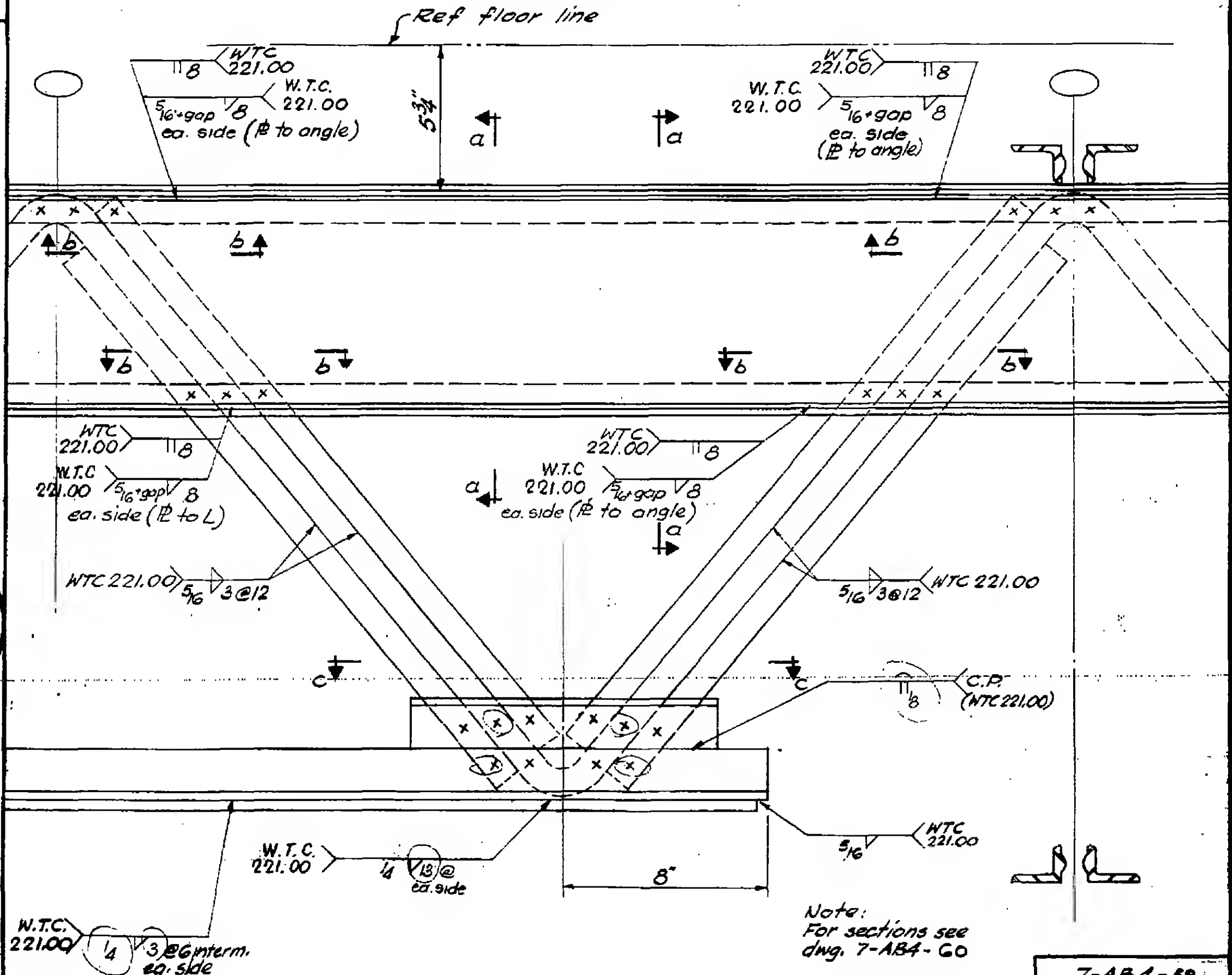
FLOOR PANEL-DETAIL E 7GA, E 7GB

DATE

8-15-68

REVISIONS

10-4-68



DESIGNED

DRAWN

REVIEWED

7-AB4-58

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

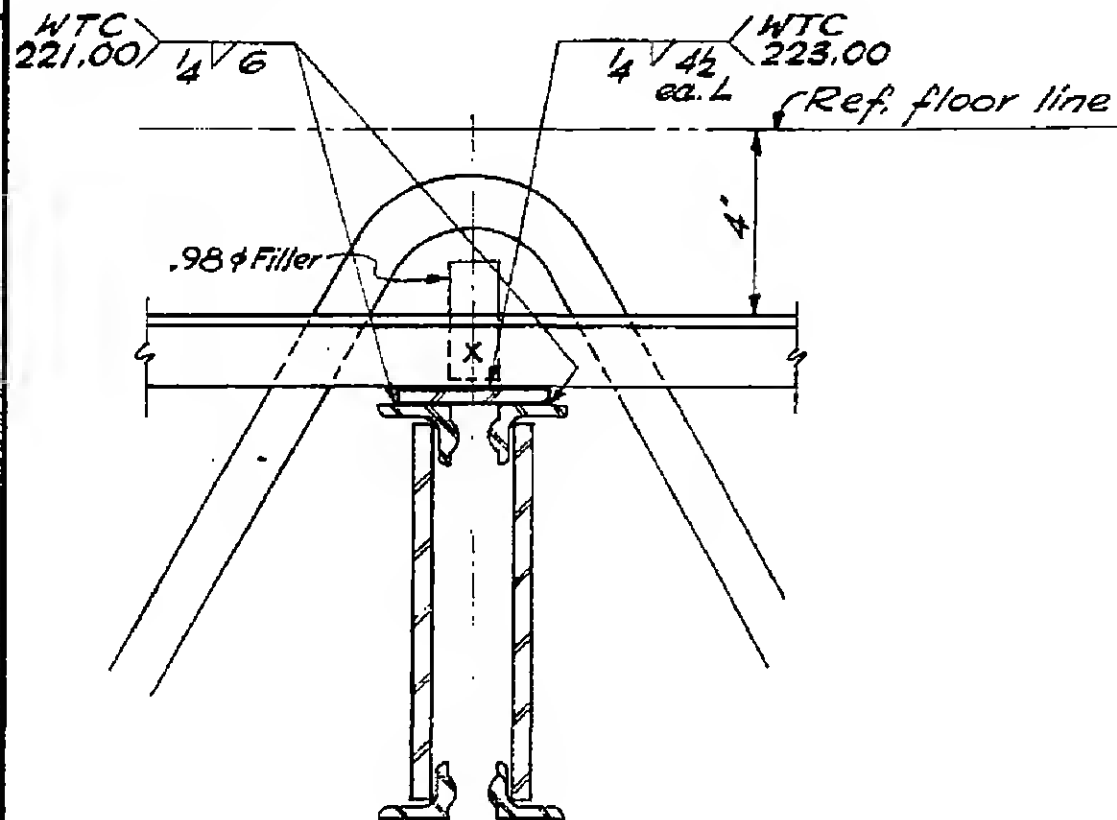
PROJECT THE WORLD TRADE CENTER

TITLE DETAIL E 76A, E 76B, E 77

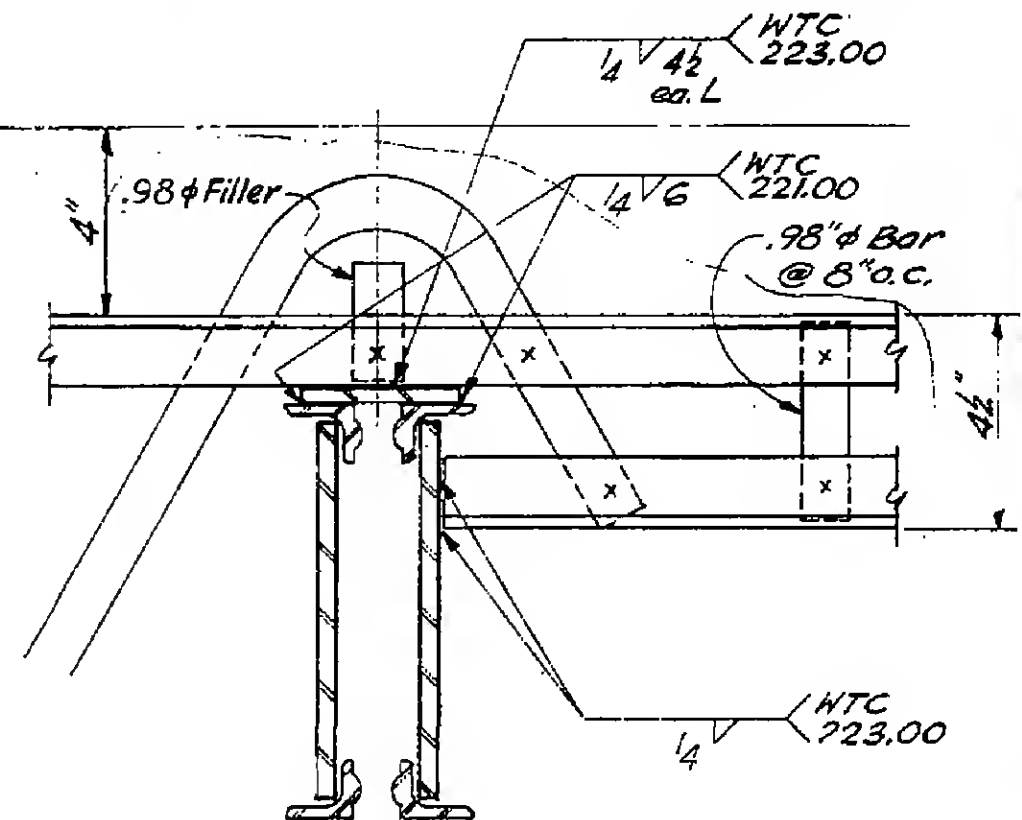
DATE 8-15-68

REVISIONS

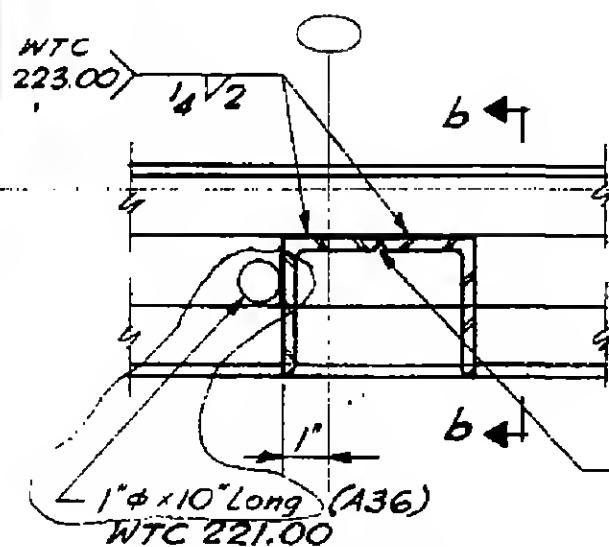
10-4-68



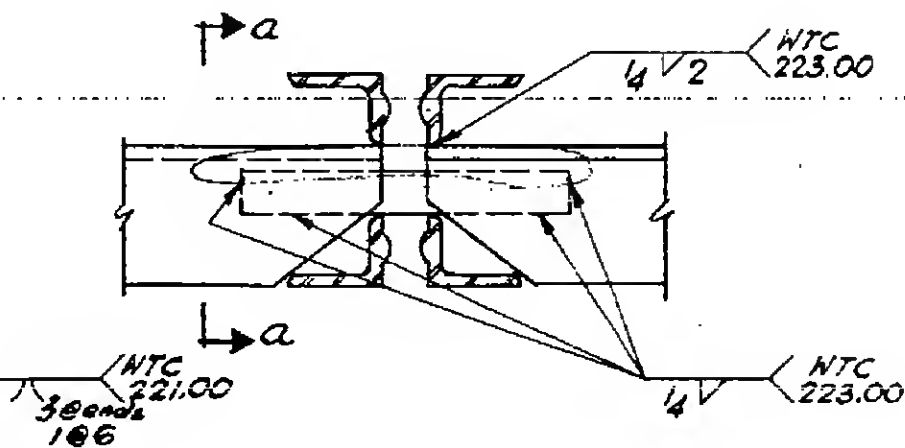
E 76A



E 76B



Section a-a



Section b-b

Detail E 77

For plan see Det. E 42 (7-AB4-23)



DESIGNED

DRAWN

REVIEWED

7-AB4-59

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

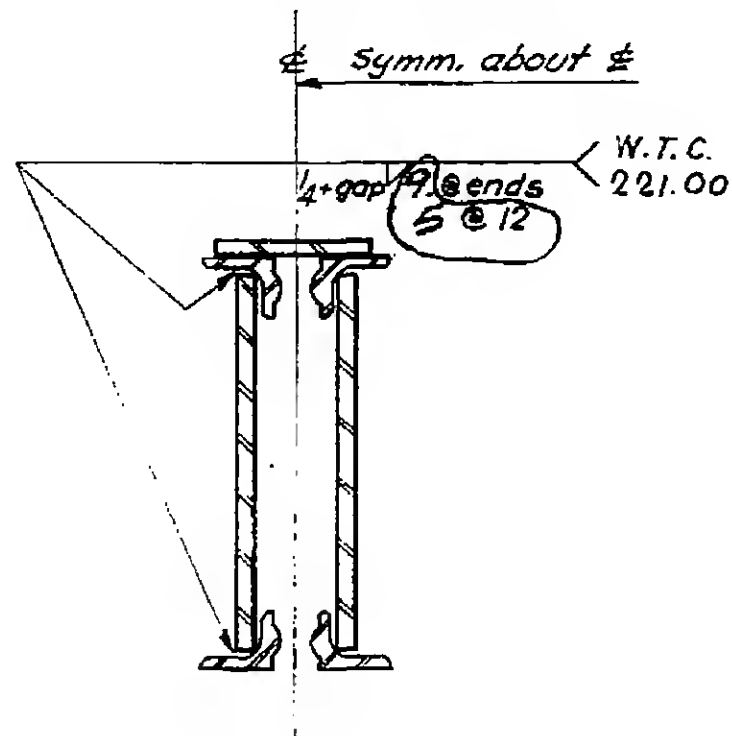
TITLE FLOOR PANEL - DETAIL E76, E76A, E76B

DATE 8-15-68

REVISIONS

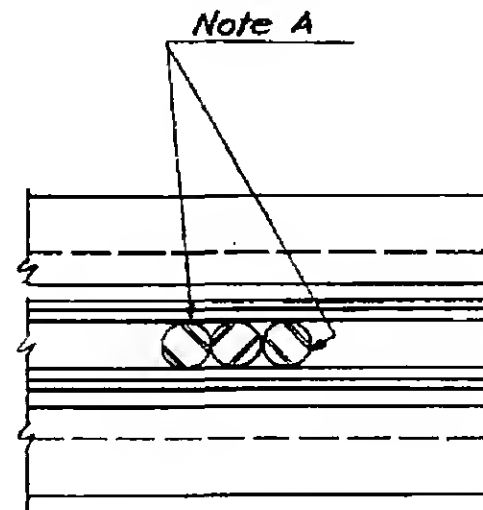
10-4-68
7-28-70

Note A: Add arc welding as reqd. to develop full strength of web bars.

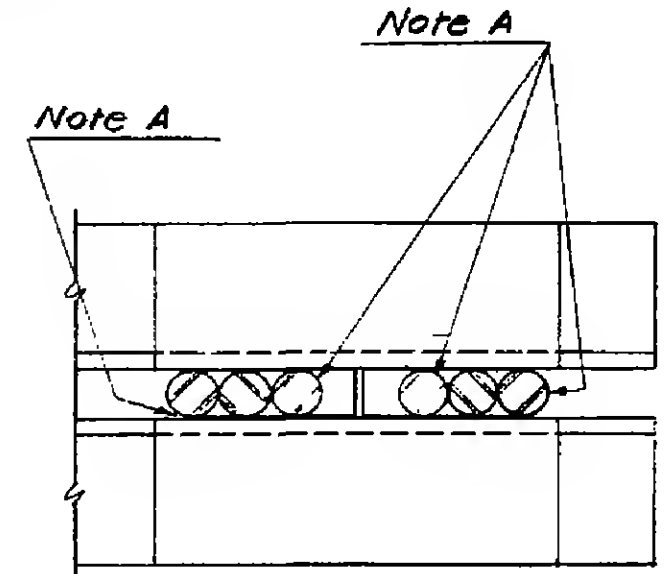


Section a-a

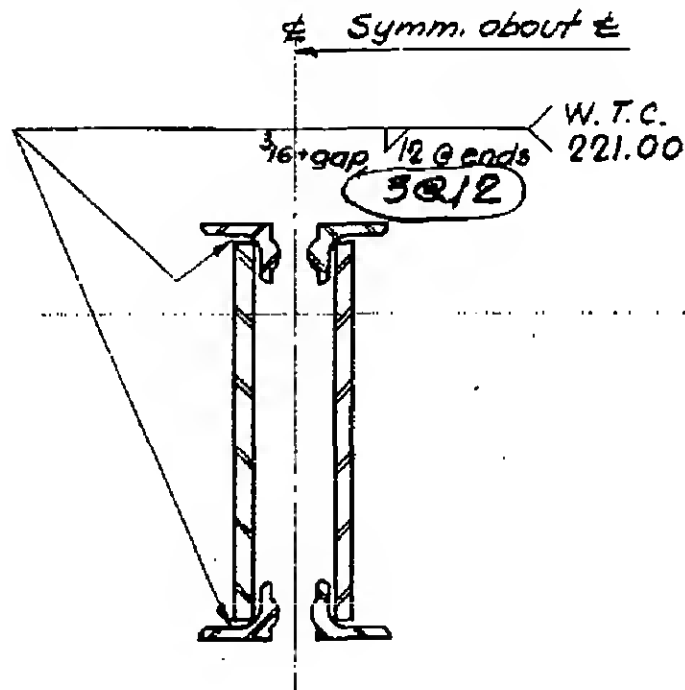
Note B: For additional J to L welding see detail E76-E76B



Section b-b

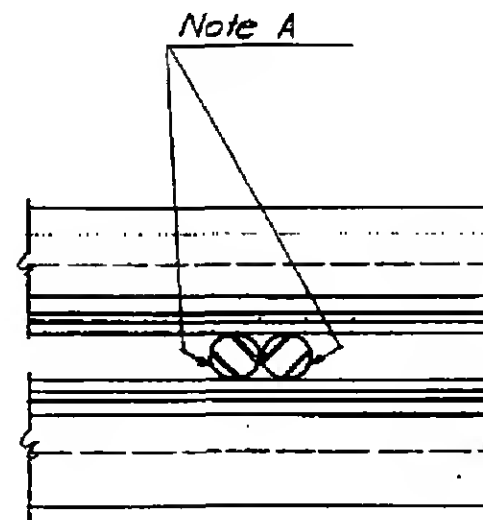


Section c-c

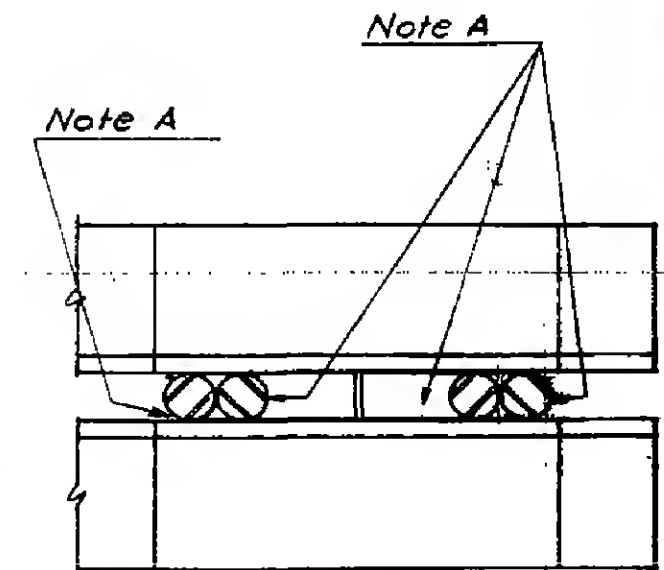


Section d-d

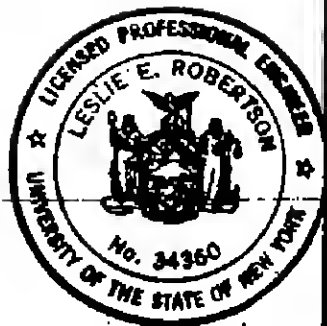
See Note B



Section e-e



Section f-f



DESIGNED

DRAWN

REVIEWED

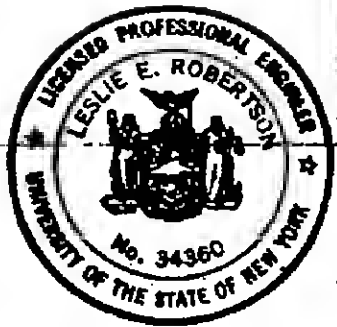
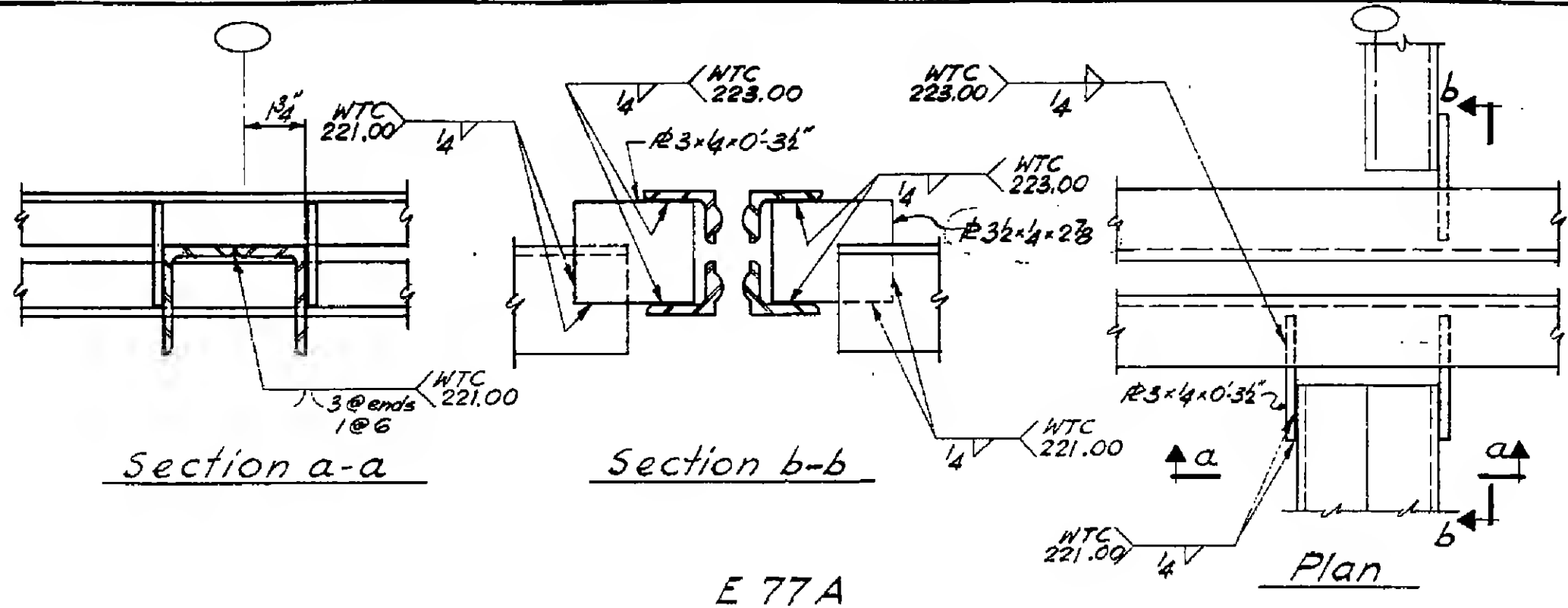
7-AB4-GG

Structural & Civil Engineers

TITLE *DETAIL E 77A*

DATE 8-15-68

10-4-68



DESIGNED

DATE & TIME

REVIEWS

7-AB4-61

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

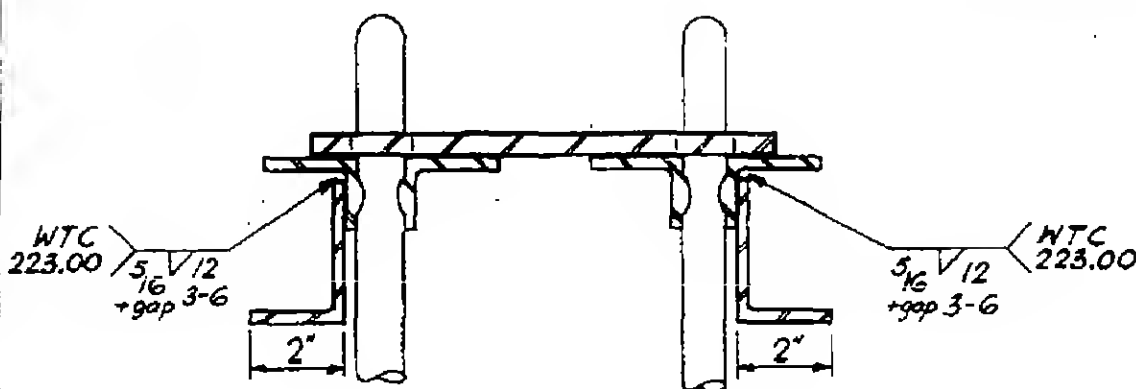
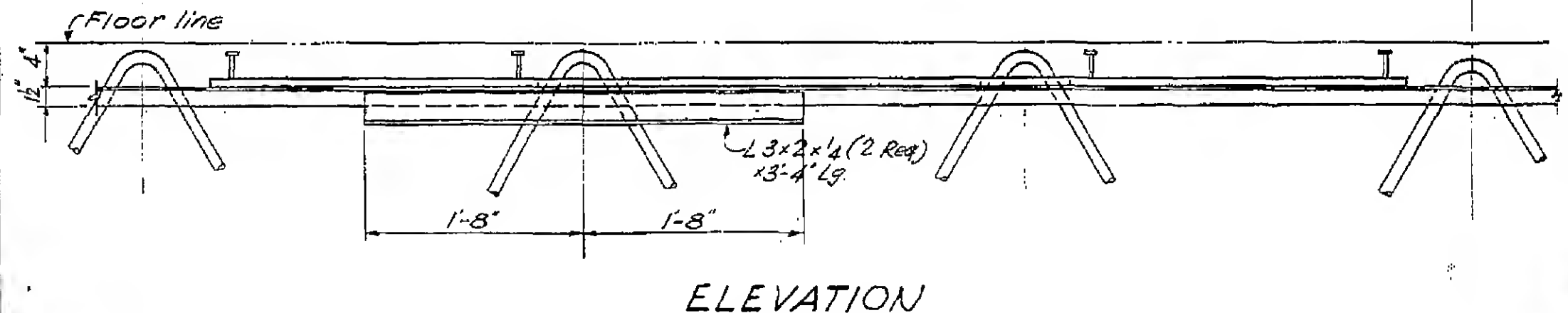
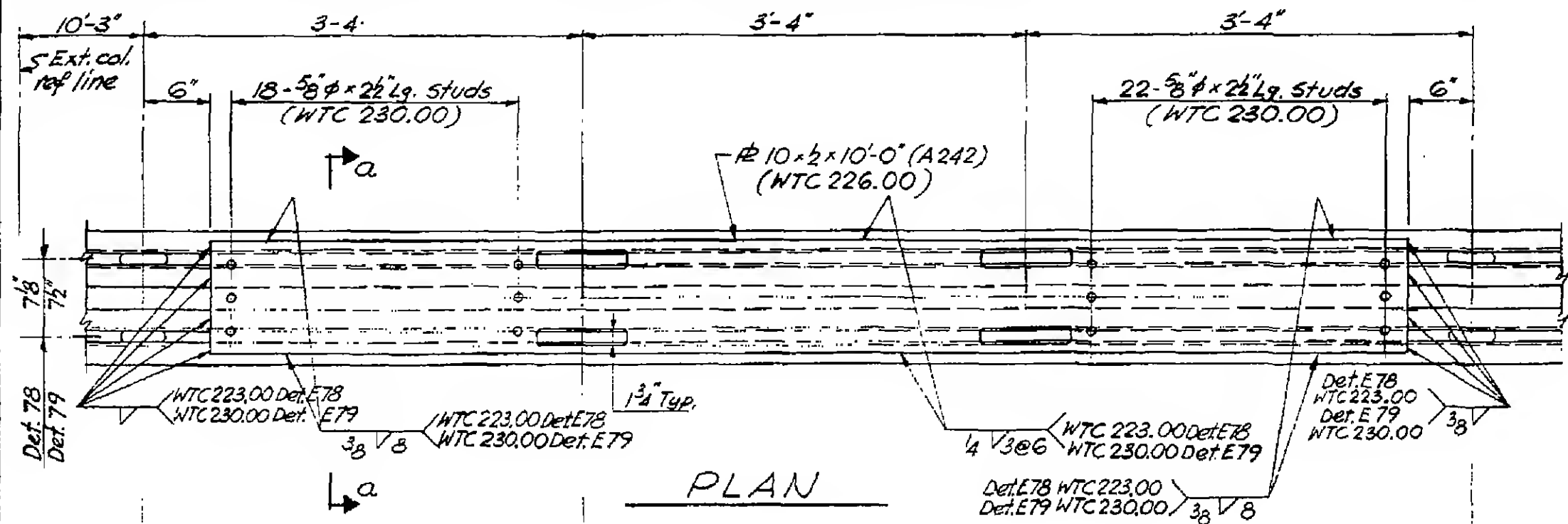
Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

TITLE FLOOR PANEL-DETAIL E78, E79

DATE 1-6-69

REVISIONS



DESIGNED

DRAWN

REVIEWED

58

7-AB4-62

PROJECT

THE WORLD TRADE CENTER

TITLE

STEEL DECK - INDEX & GEN. NOTES

DATE

4/ 1/69

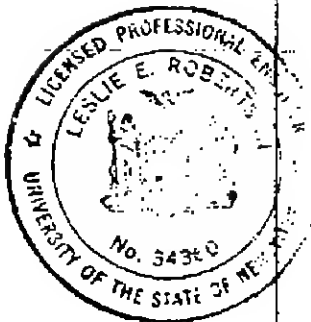
REVISIONS

Printed 5-1-69

7-AB5- 1 INDEX & GEN. NOTES
7-AB5- 2 TYPICAL DETAILS A-D
7-AB5- 3 TYPICAL DETAILS E-G
7-AB5- 3.1 TYPICAL DETAIL H
7-AB5- 3.2 TYPICAL DETAIL K
7-AB5- 4 POWER/TELEPHONE DETAILS
7-AB5- 4.1 PDWER/TELEPHONE DETAILS
7-AB5- 5 SECTIONS A-D&D
7-AB5- 6 SECTIONS E-H
7-AB5- 7 SECTIONS J-N
7-AB5- 8 SECTIONS P-T
7-AB5- 8.1 SECTIONS U-X
7-AB5- 8.2 SECTIONS Y,YY&Z
7-AB5- 9 DETAIL K
7-AB5-10 DETAIL M
7-AB5-11 DETAIL N
7-AB5-12 DETAIL P
7-AB5-13 DETAIL Q
7-AB5-14 DETAIL R
7-AB5-15 DETAIL S
7-AB5-16 SUPPORTS
7-AB5-17 DETAIL T
7-AB5-18 DETAIL U
7-AB5-19 DETAIL V&W

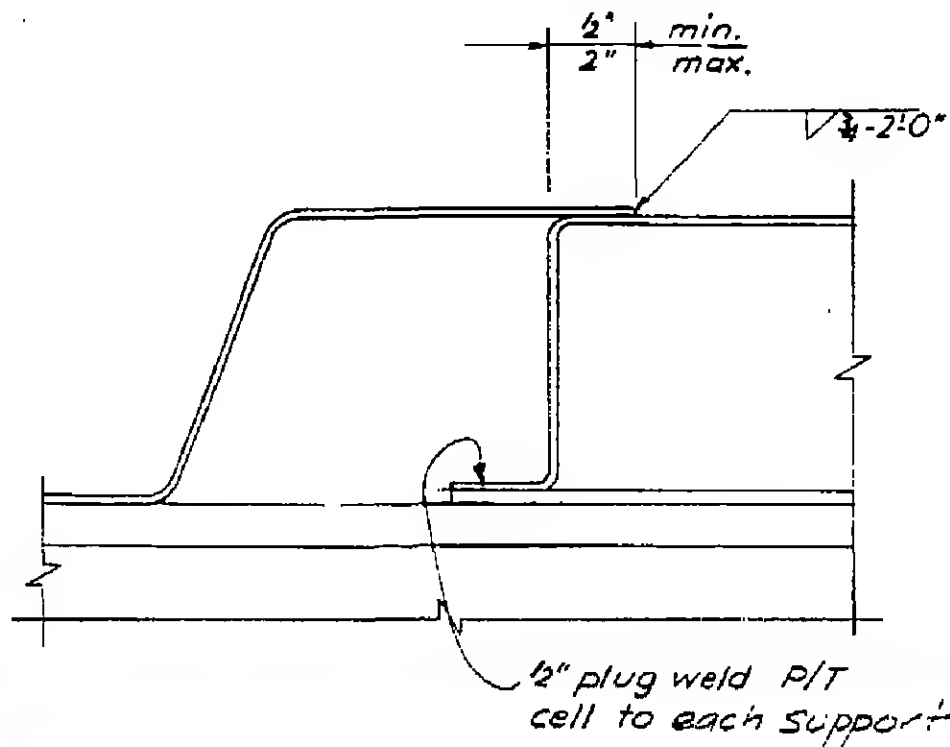
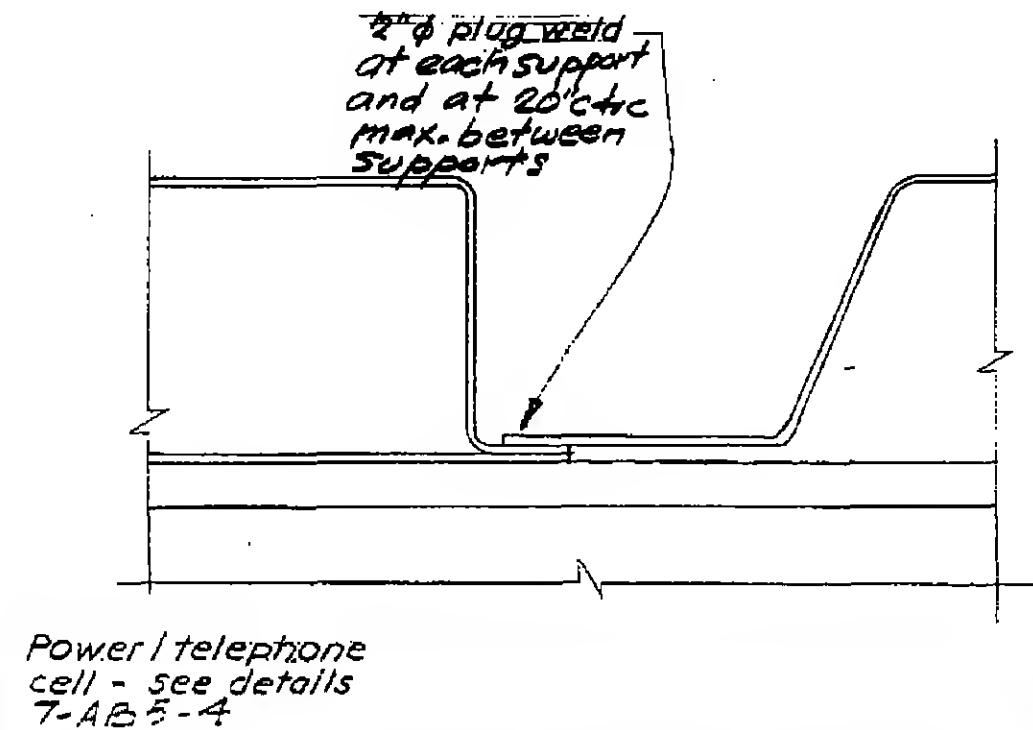
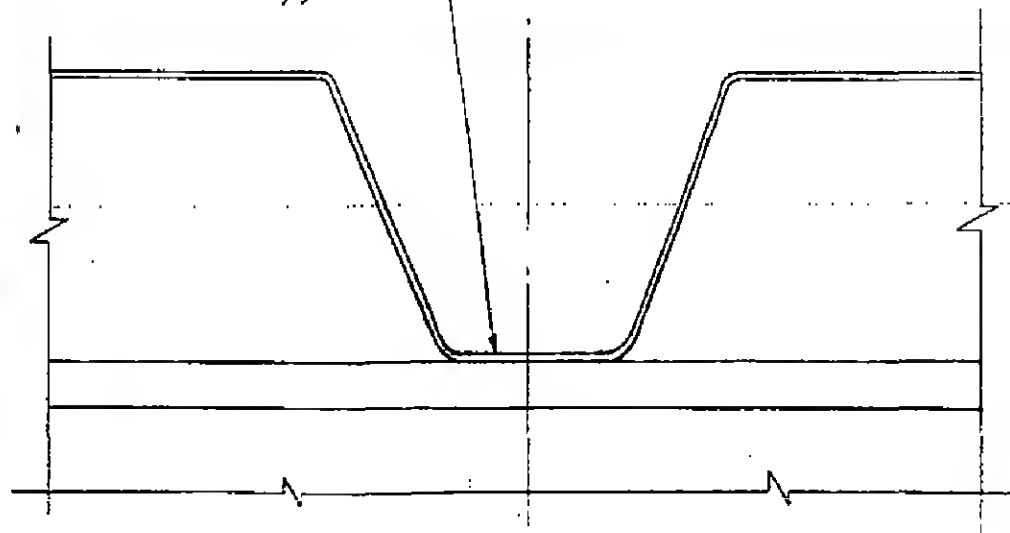
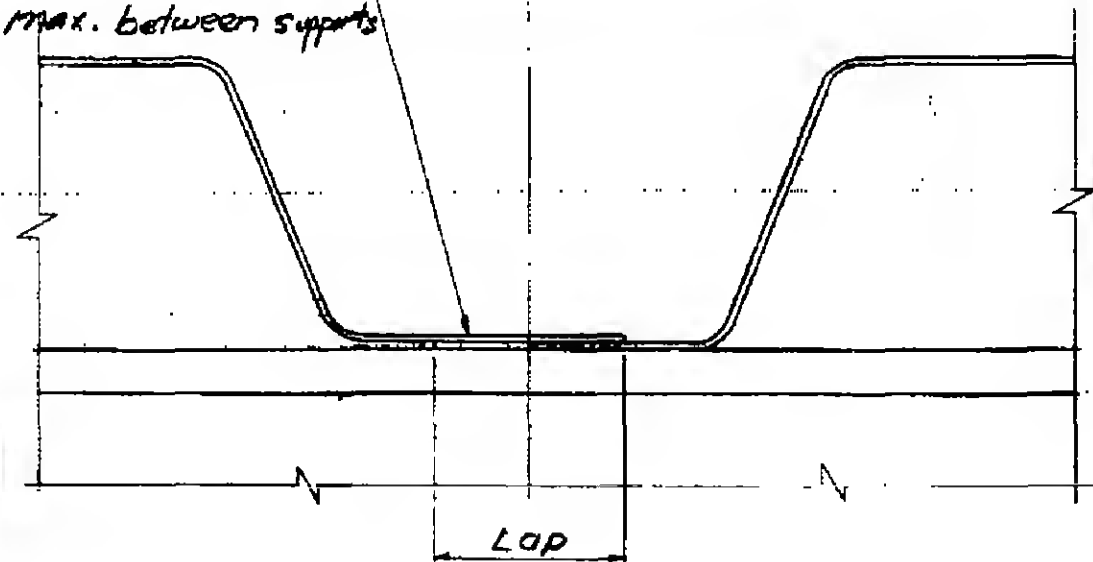
GENERAL NOTES.

1. STEEL DECK TO BE 22 GAGE GALV.
2. ALL PLUG WELDS SHALL BE FURNISHED UNDER CONTRACT WTC 223.00 OR CONTRACT WTC 230.00, WHICH EVER IS APPLICABLE.



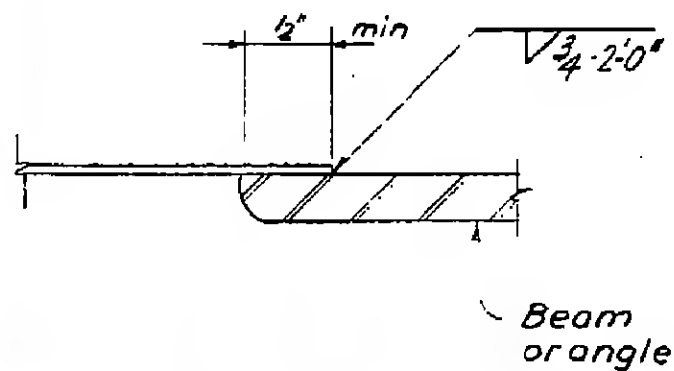
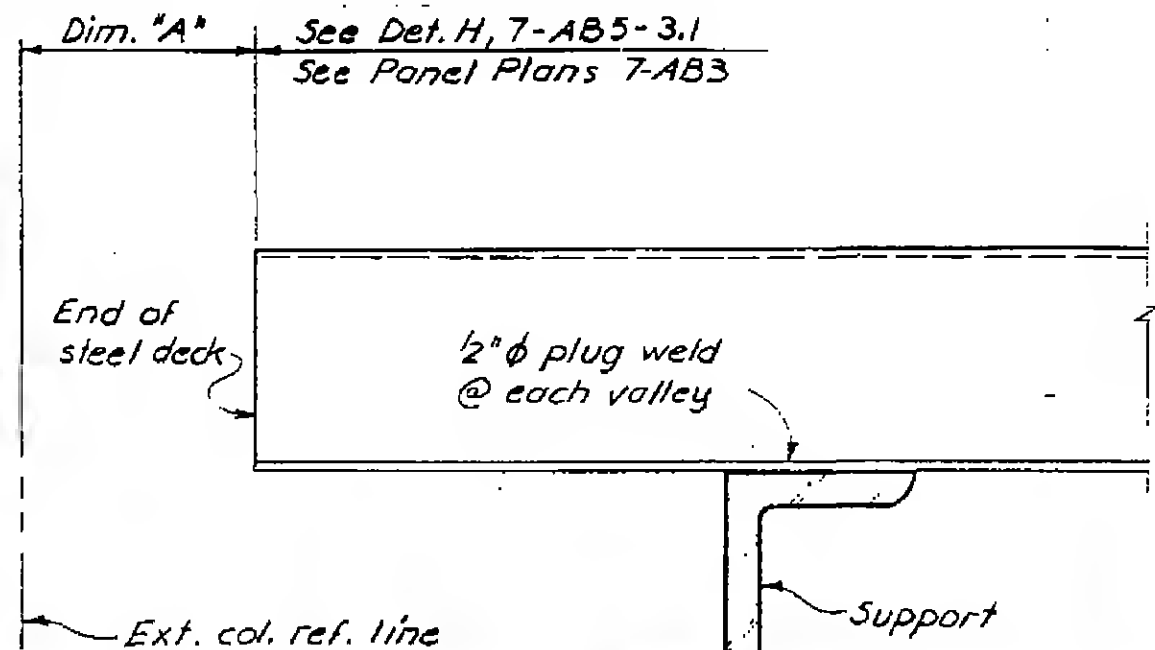
REVISIONS

11-24-67

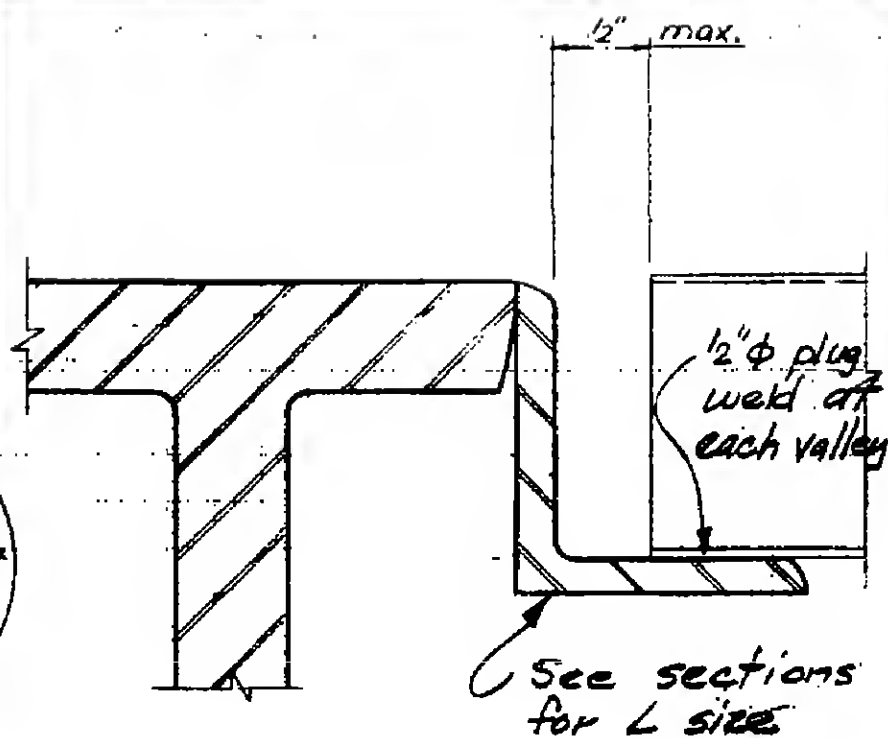
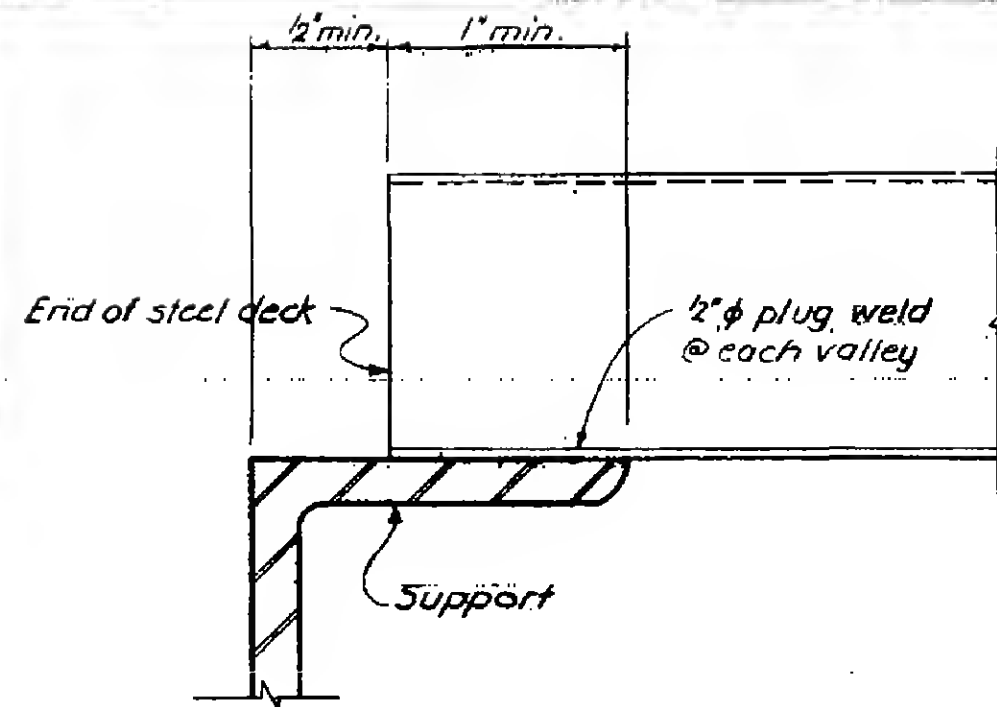
Detail ADetail B1/2" ϕ plug weld at each valley each supportDetail C1/2" ϕ plug weld at each support and at 20' c/c max. between supportsDetail D

REVISIONS

11-24-67
4-1-68
6-17-68

Detail EDetail G

(For prefabricated floor panels only)

Detail FDetail G

(For field installed steel deck only)

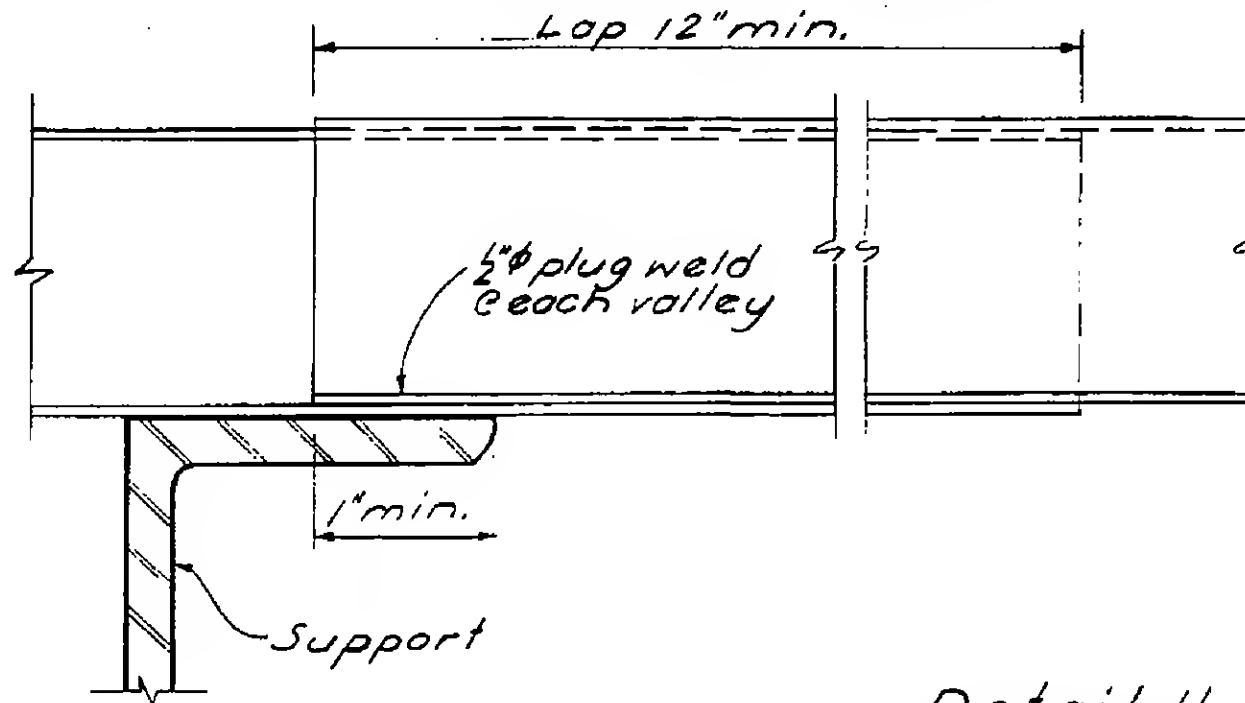


REVISIONS

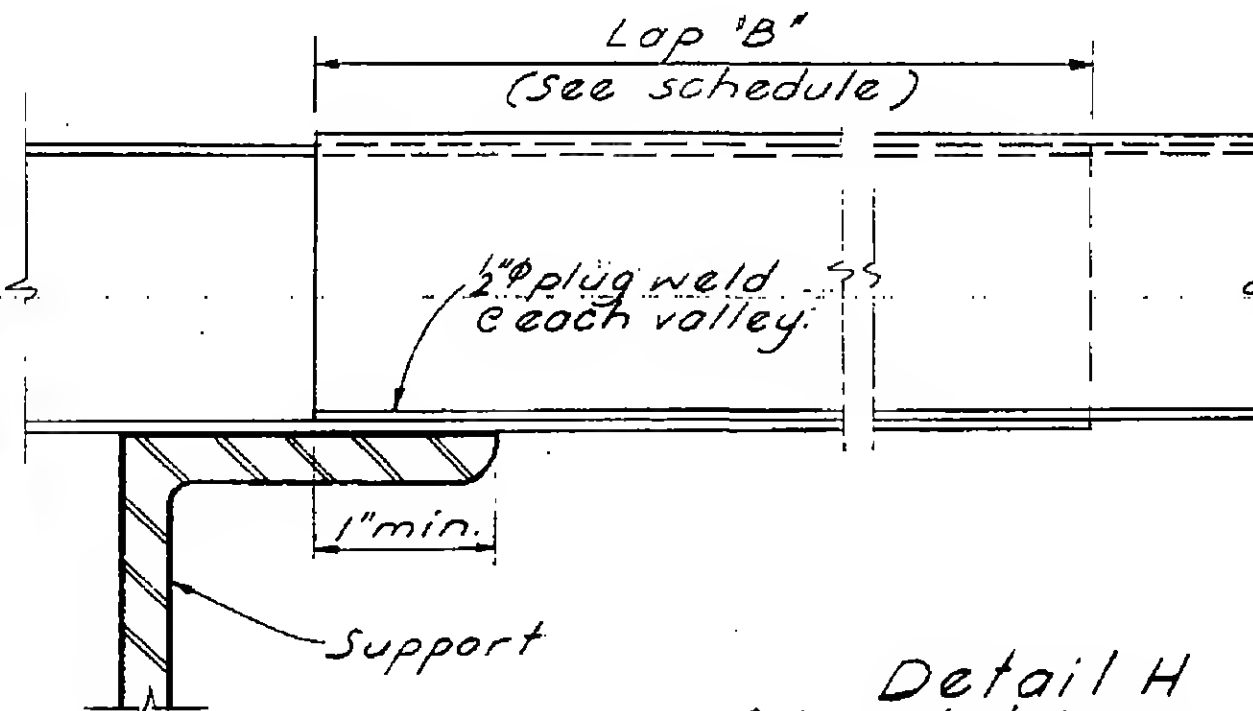
11-24-67

4-1-68

6-17-68



Detail H
(For field installed steel deck only)



Schedule	
Dim "A"	Lap "B"
8 1/2"	10"
9"	10 1/2"
10 1/2"	12"
11 1/2"	11"
1'-0 1/2"	12"
2'-3"	12"

Note: Dim. "A" is shown on
Det. G 7-AB5-3.

Detail H
(For prefabricated floor panels only)

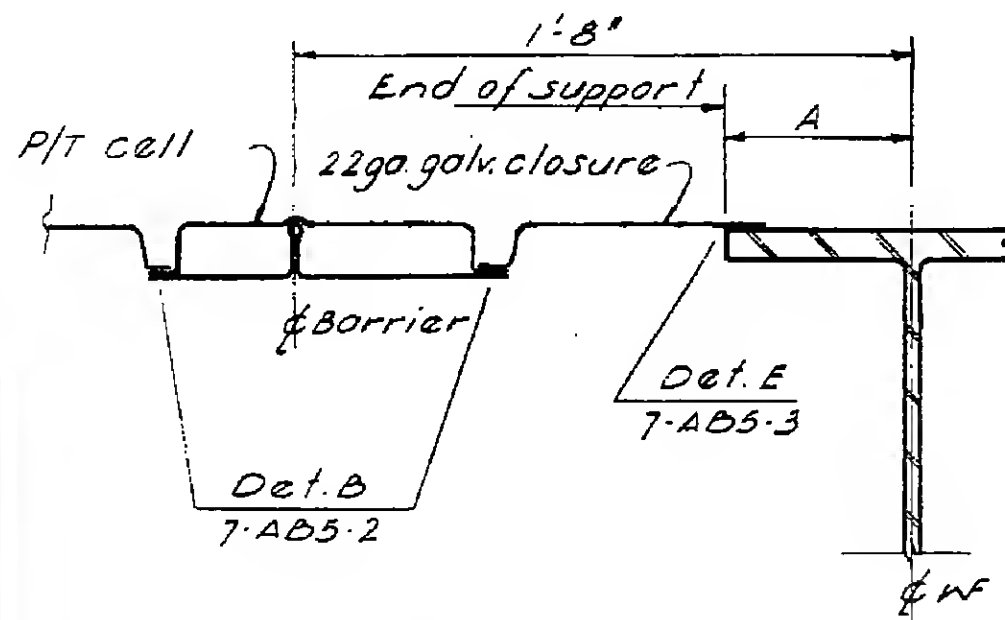
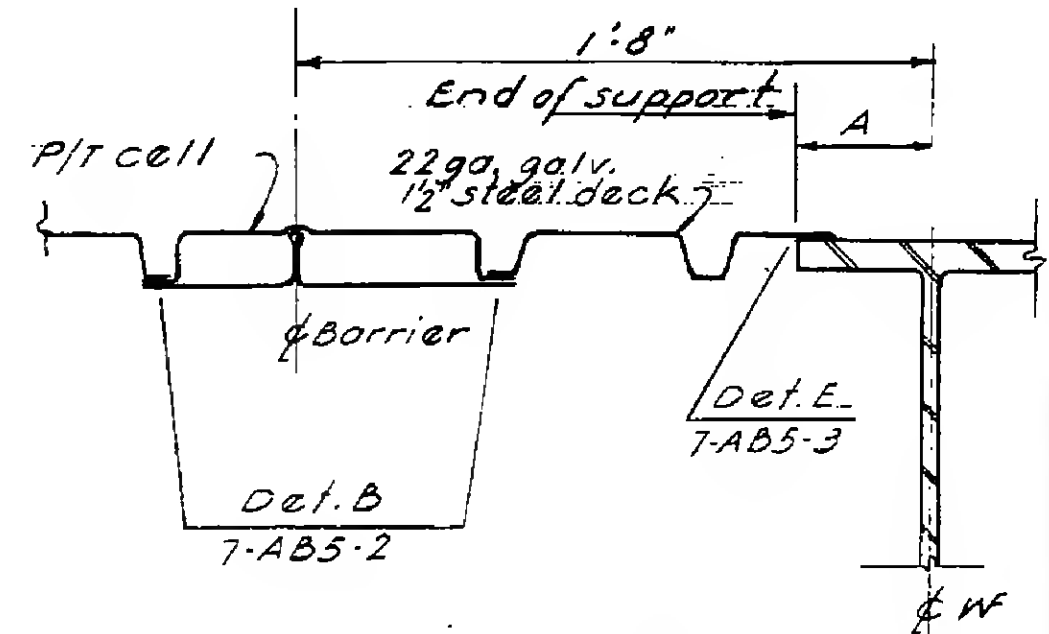


PROJECT THE WORLD TRADE CENTER

TITLE STEEL DECK - TYPICAL DETAIL K.

DATE 6-17-68

REVISIONS

When $A \geq 5"$ When $A < 5"$

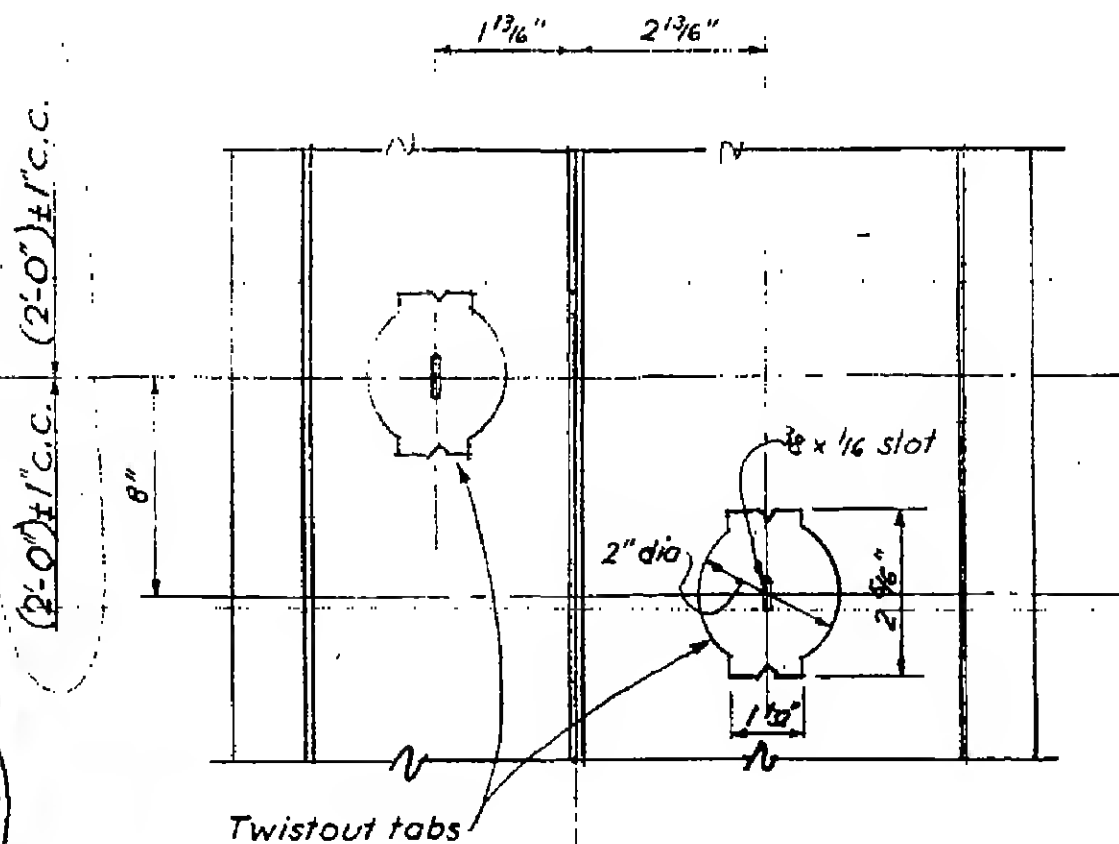
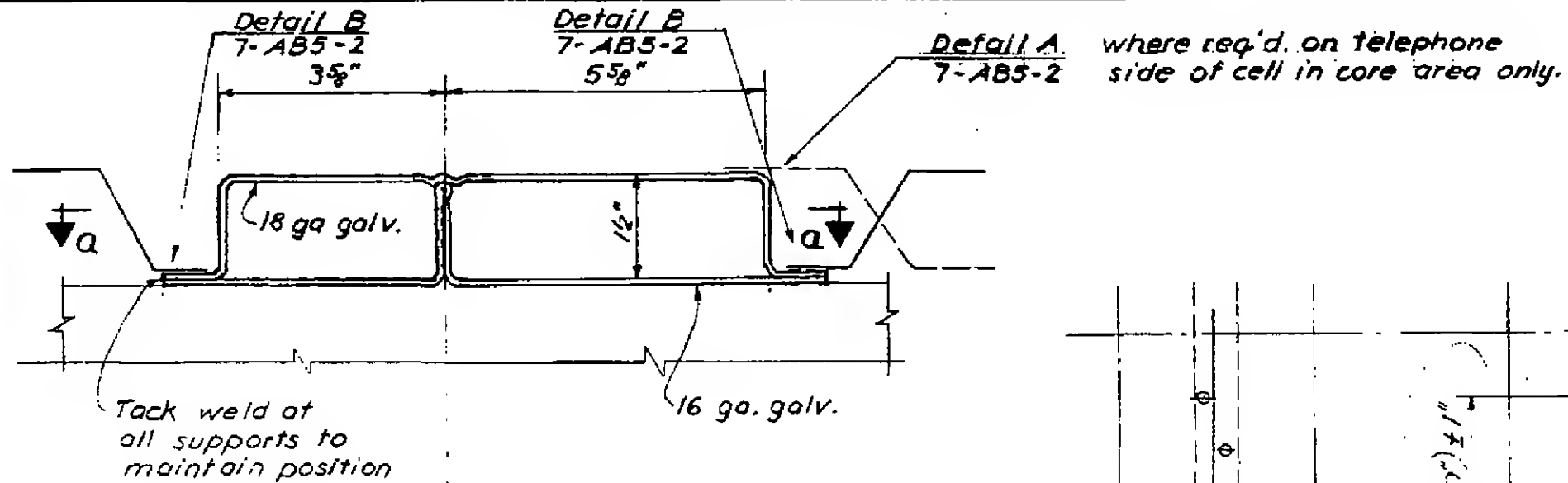
Detail K
(Applies outside of core area only)



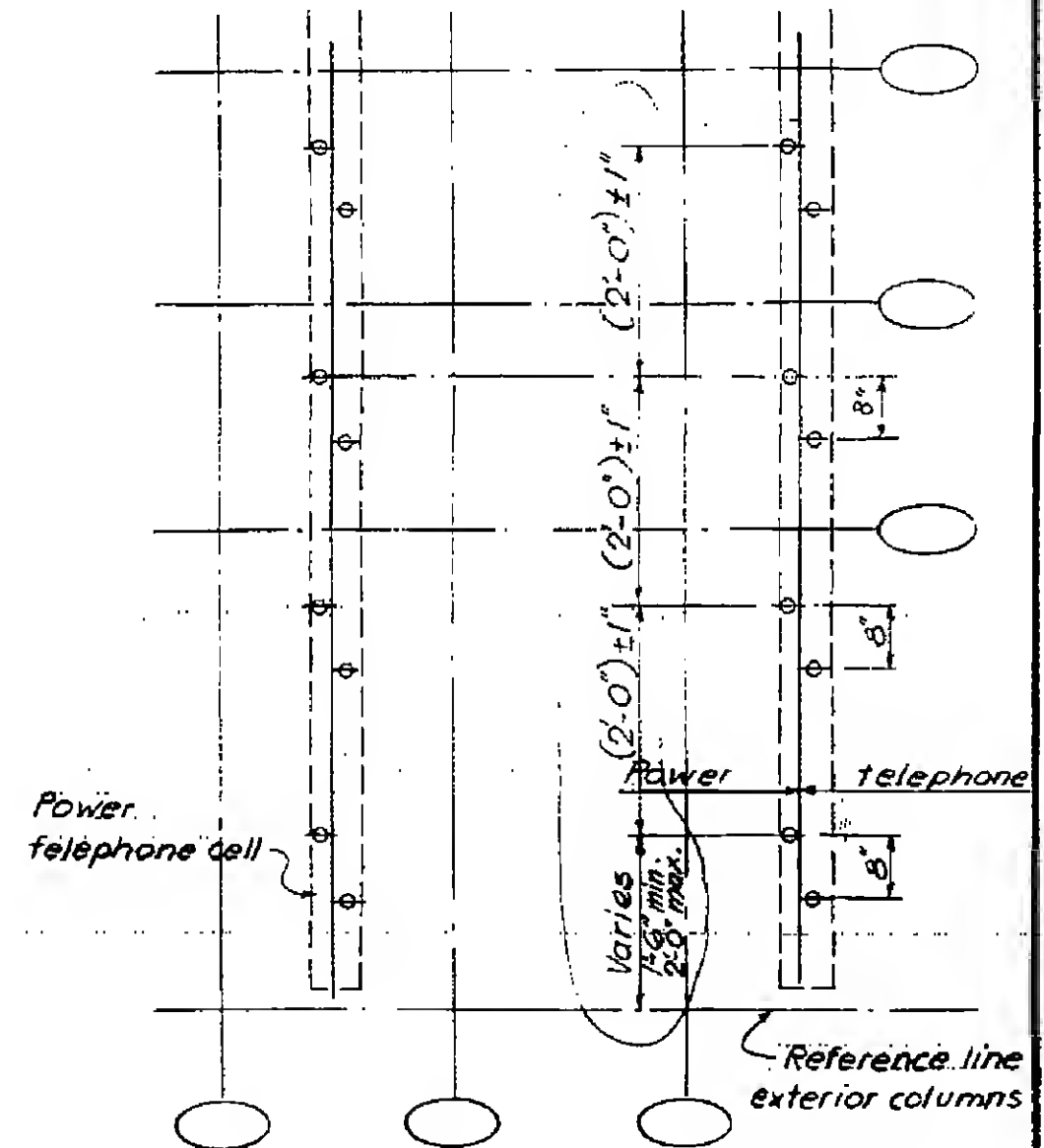
7-AB5-3.2

REVISIONS

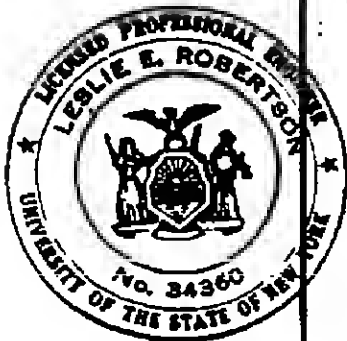
11-24-67
6-17-68
10-11-68



Plan - Section a-a



Part plan showing typical location of twistout in cells

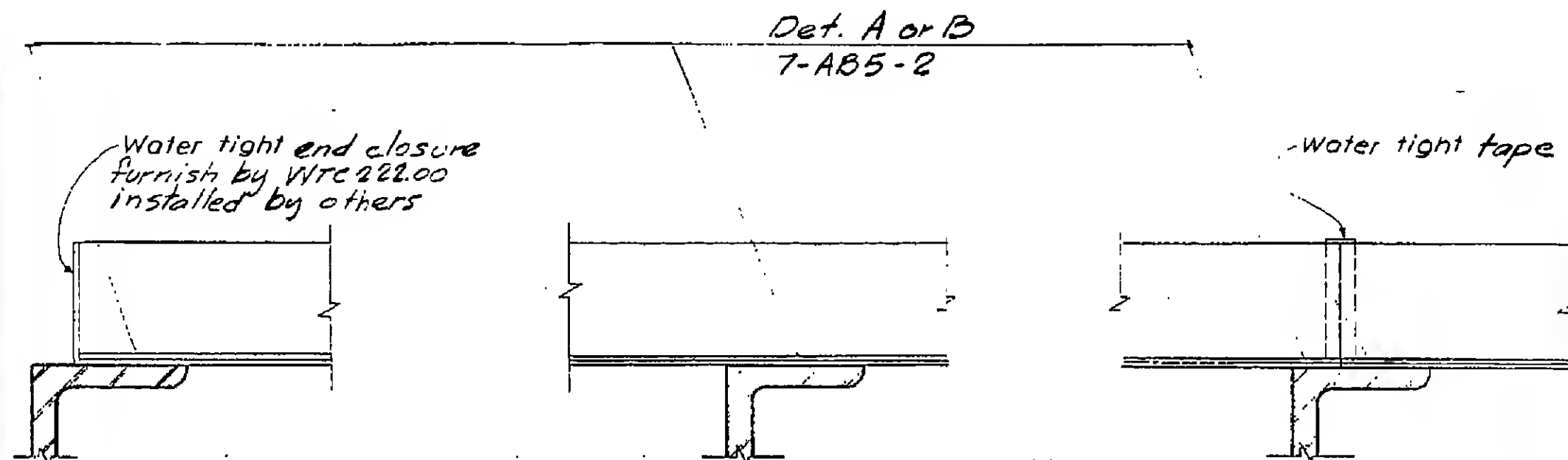


PROJECT THE WORLD TRADE CENTER

TITLE STEEL DECK POWER/TELEPHONE CELL DETAILS

DATE 10-18-67

REVISIONS

DETAIL AT
END SUPPORTDETAIL AT
INTERIOR SUPPORTDETAIL AT SPLICE

PROJECT

THE WORLD TRADE CENTER

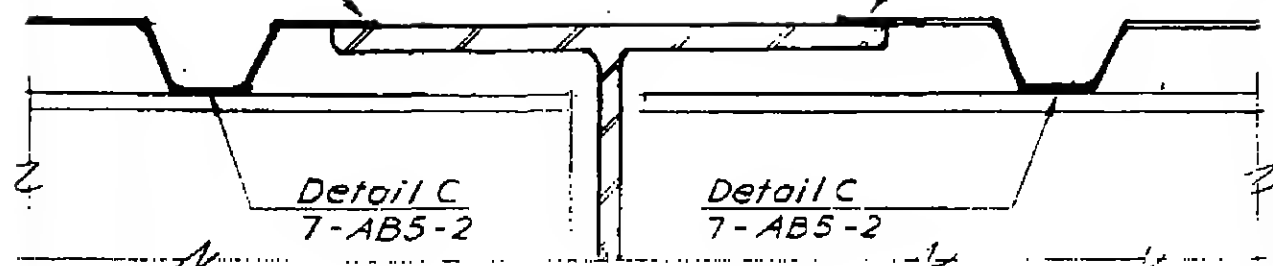
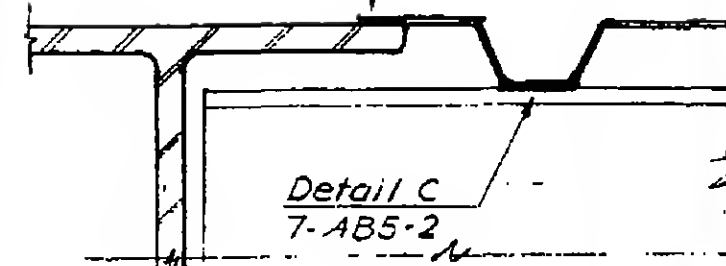
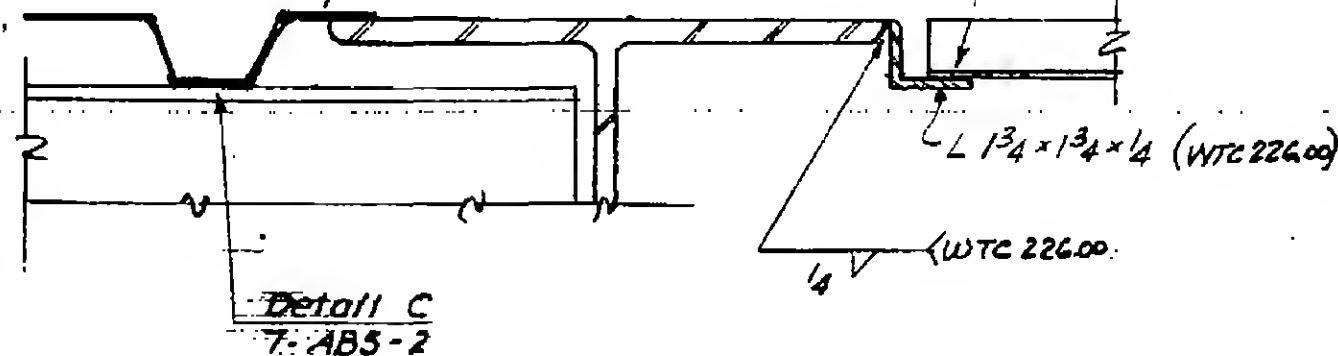
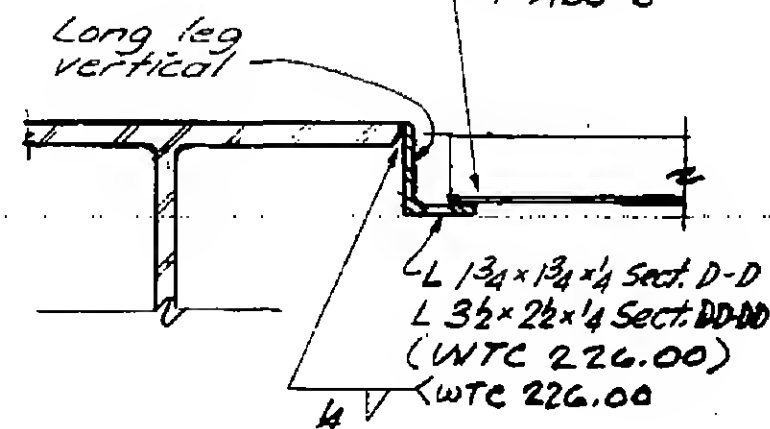
TITLE

STEEL DECK SECTIONS A - D & DD

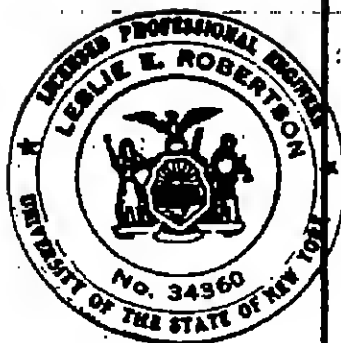
DATE

10-18-67

REVISIONS

11-24-67
6-17-68Detail E
7-AB5-3Section A-A(See also typical Det. K-7-AB5-3.2)
for outside of core area onlyDetail E
7-AB5-3Section B-B(See also typ. Det. K-7-AB5-3.2)
for outside of core area onlyDetail E
7-AB5-3Detail F
7-AB5-3Detail C
7-AB5-2Section C-C(See also typ. Det. K-7-AB5-3.2)
for outside of core area onlyDetail F
7-AB5-3Section D-DSection DD-DD

7-AB5-5

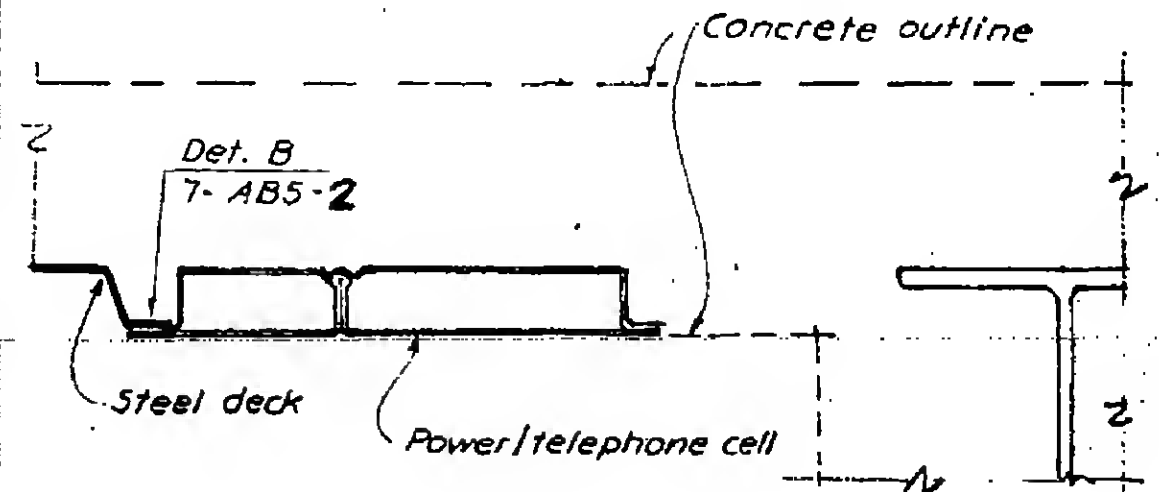
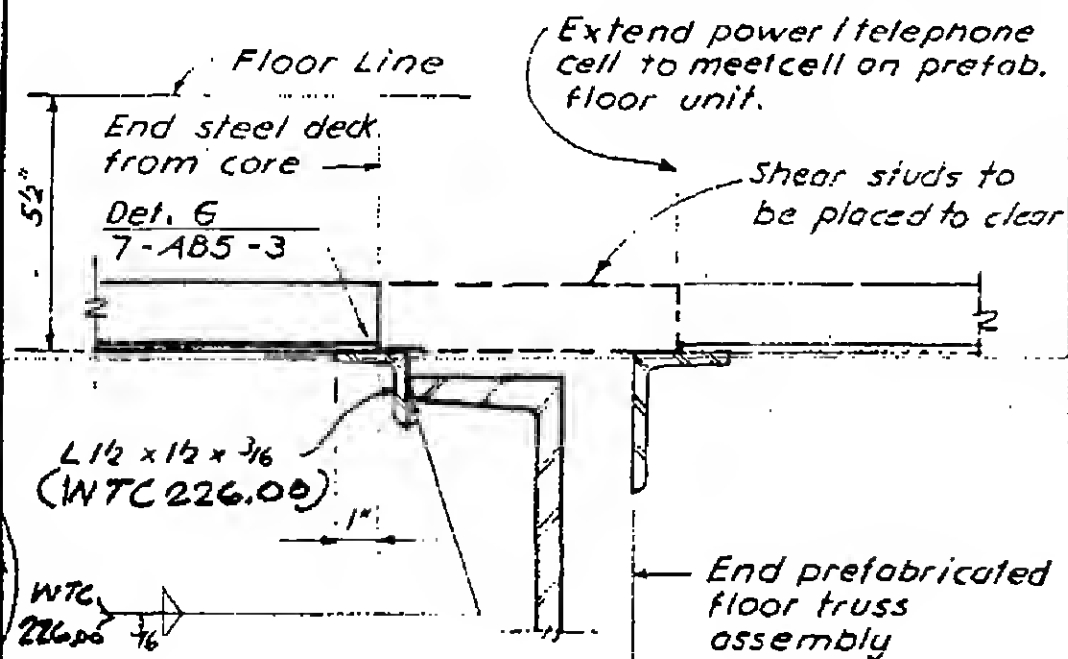
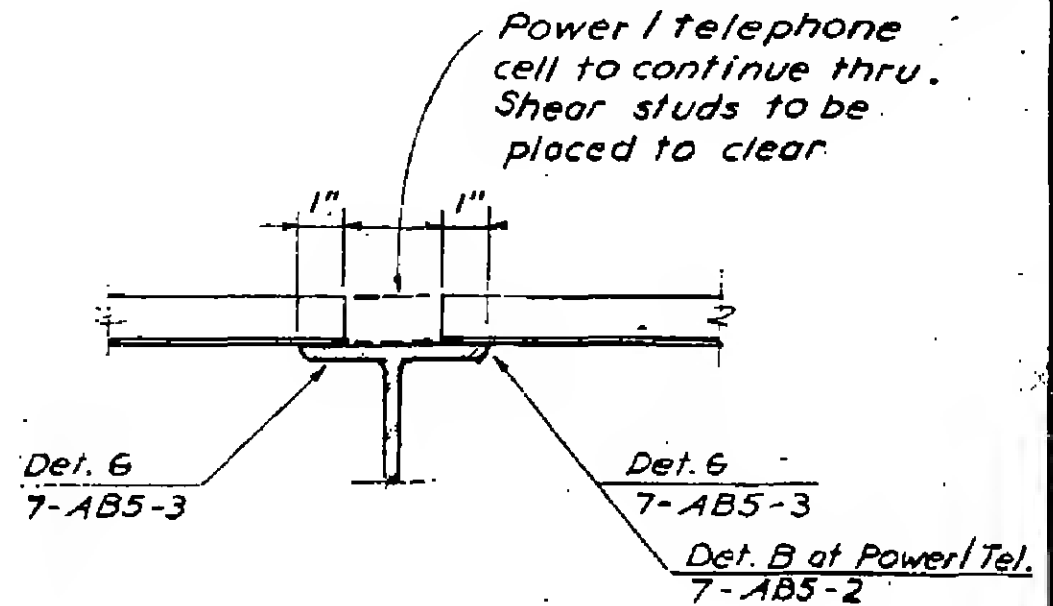
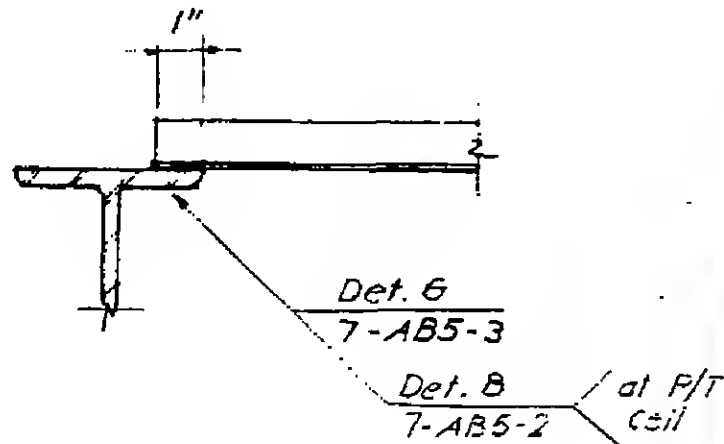


REVISIONS

7-6-67

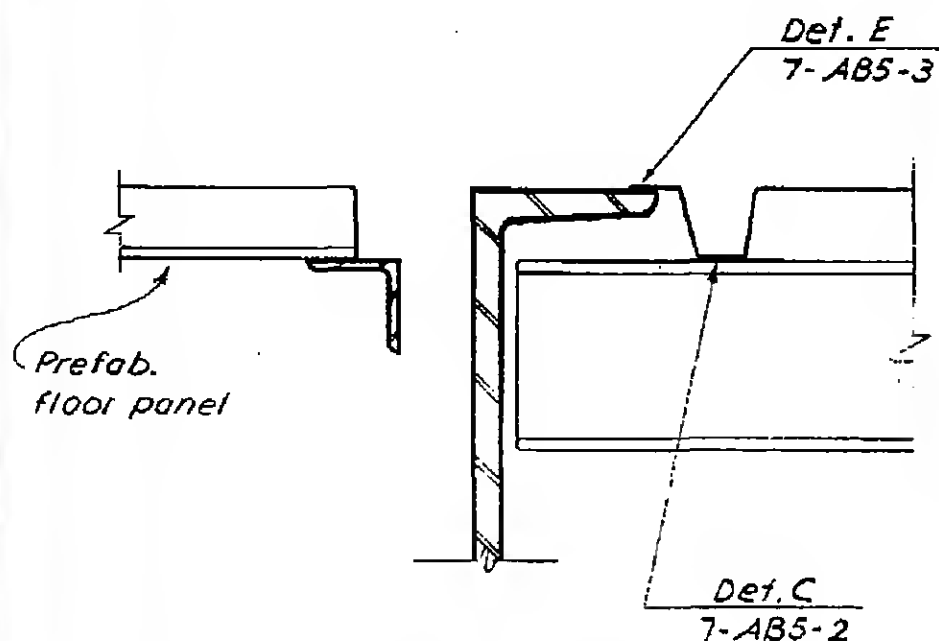
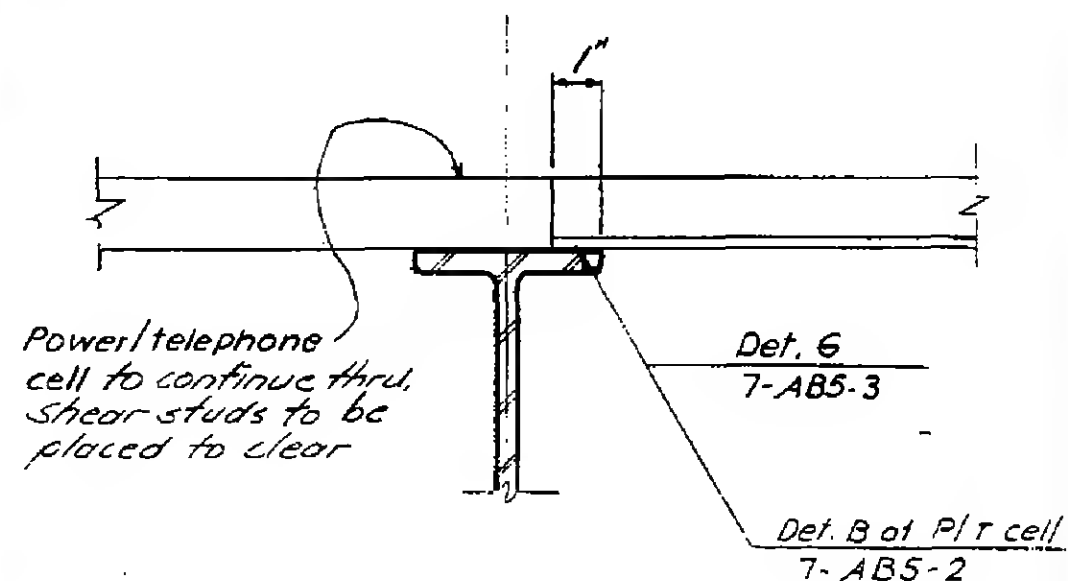
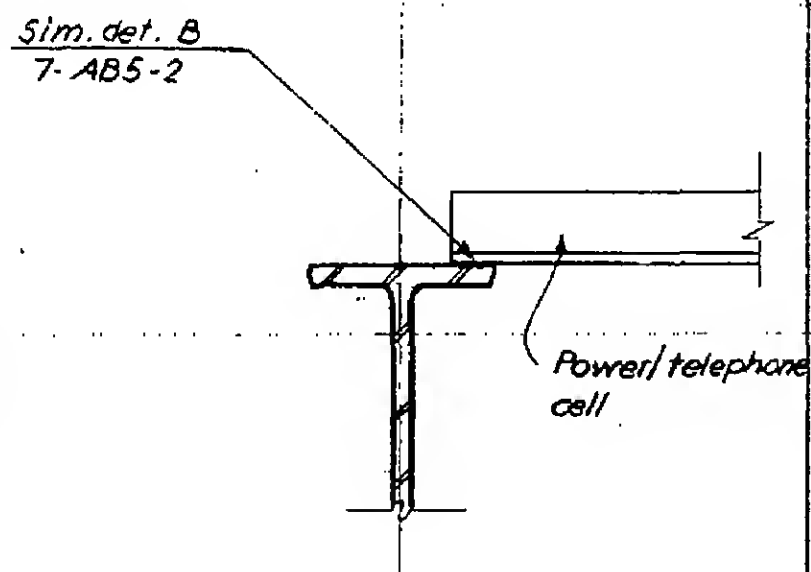
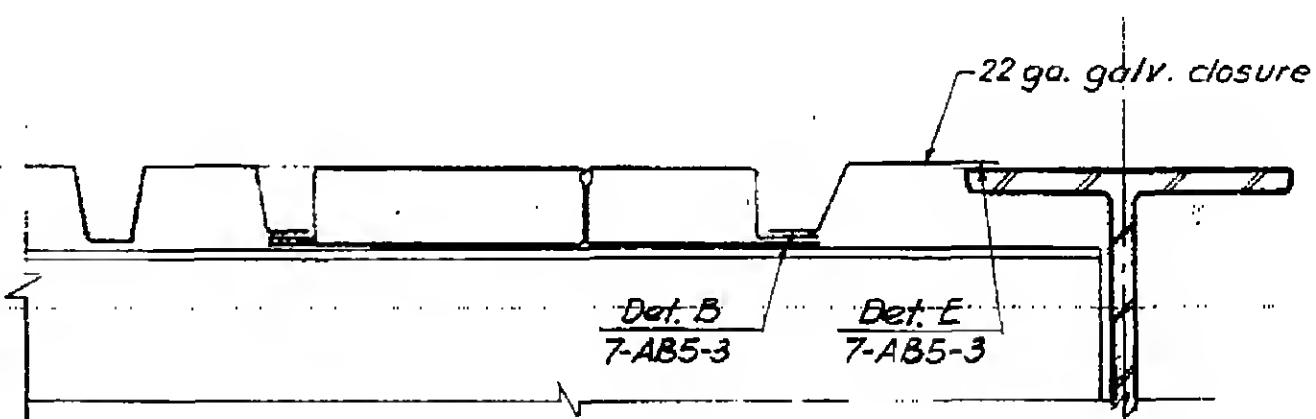
11-24-67

6-17-68



REVISIONS

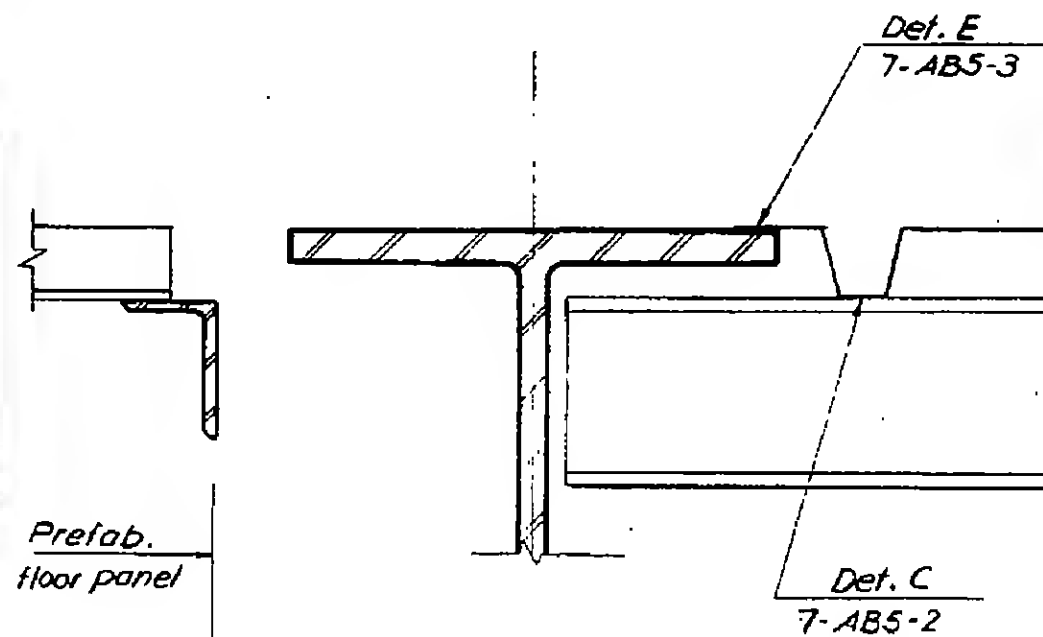
6-17-68

Section J-JSection K-KSection K'-K' opp. handSection M-MSection M'-M' opp. handSection N-N

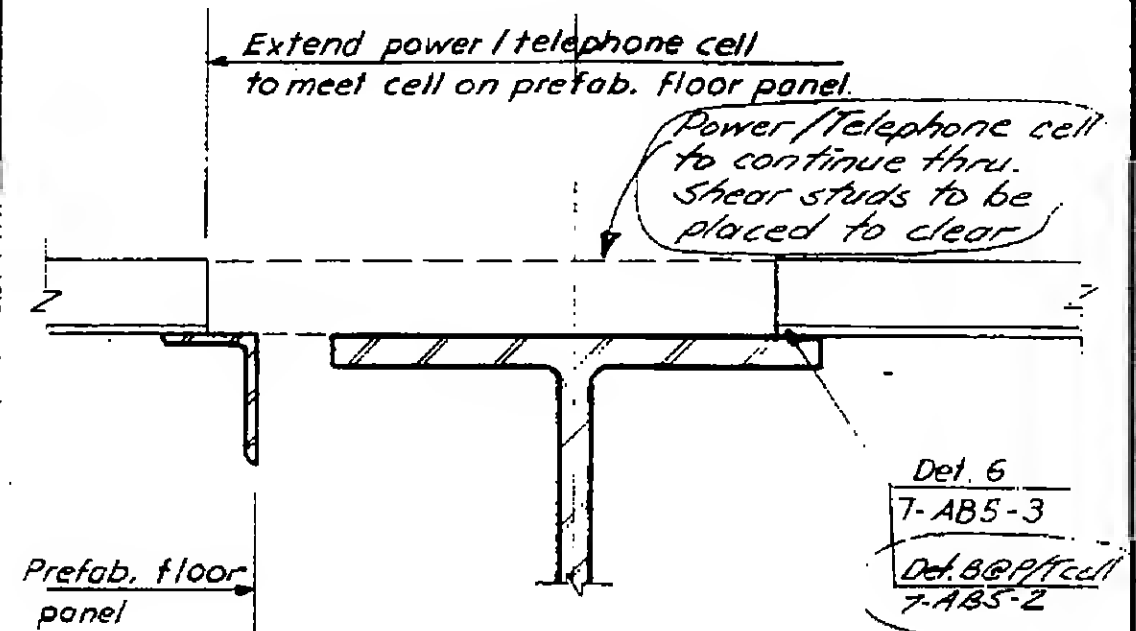
7-AB5-7

PROJECT THE WORLD TRADE CENTERTITLE STEEL DECK-SECTIONS P-TDATE 11-6-67

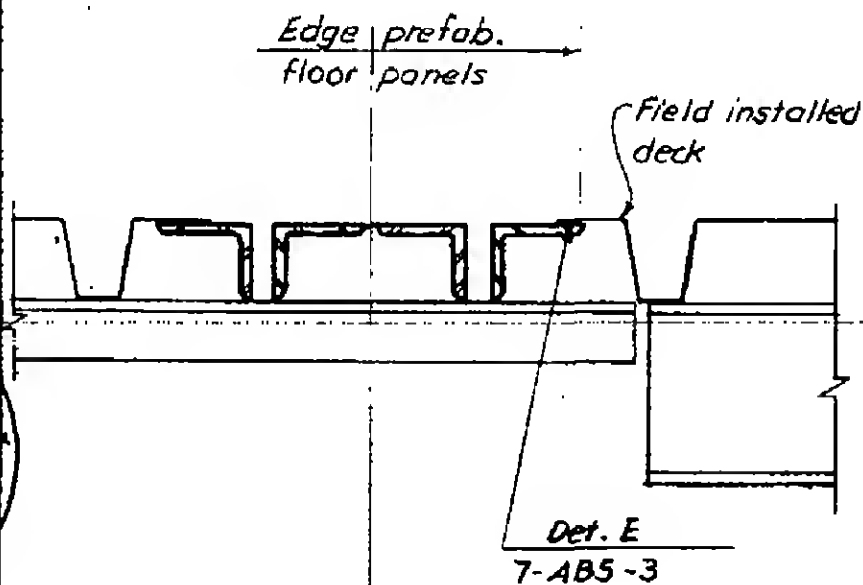
REVISIONS

11-2447
6-17-68

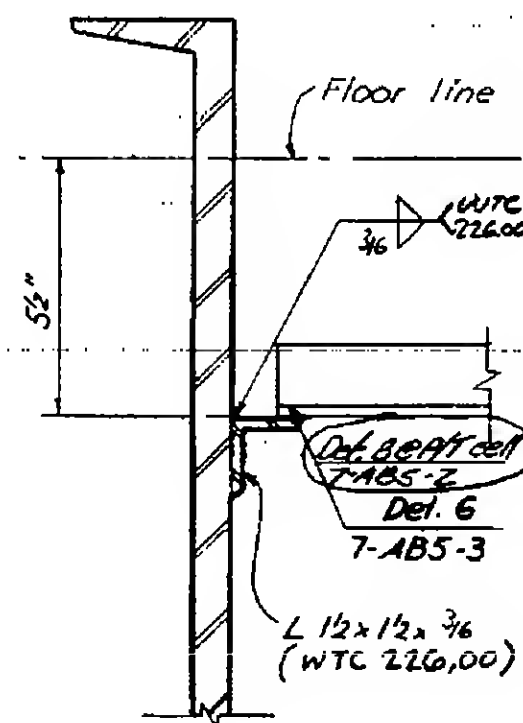
Section P-P
(See also typ. Det. K-7-AB5-3.2)



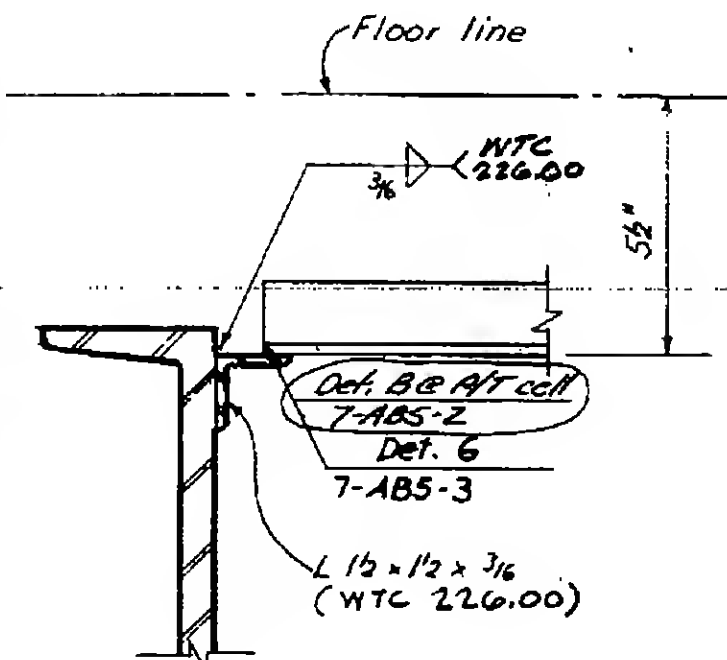
Section Q-Q



Section R-R
(See also typ. Det. K-7-AB5-3.2)

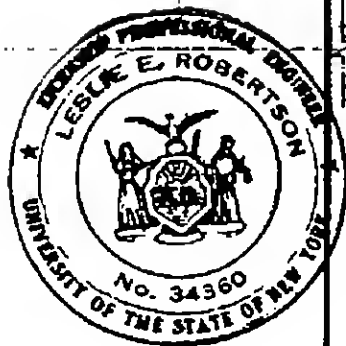


Section S-S



Section T-T

7-AB5-8



PROJECT

THE WORLD TRADE CENTER

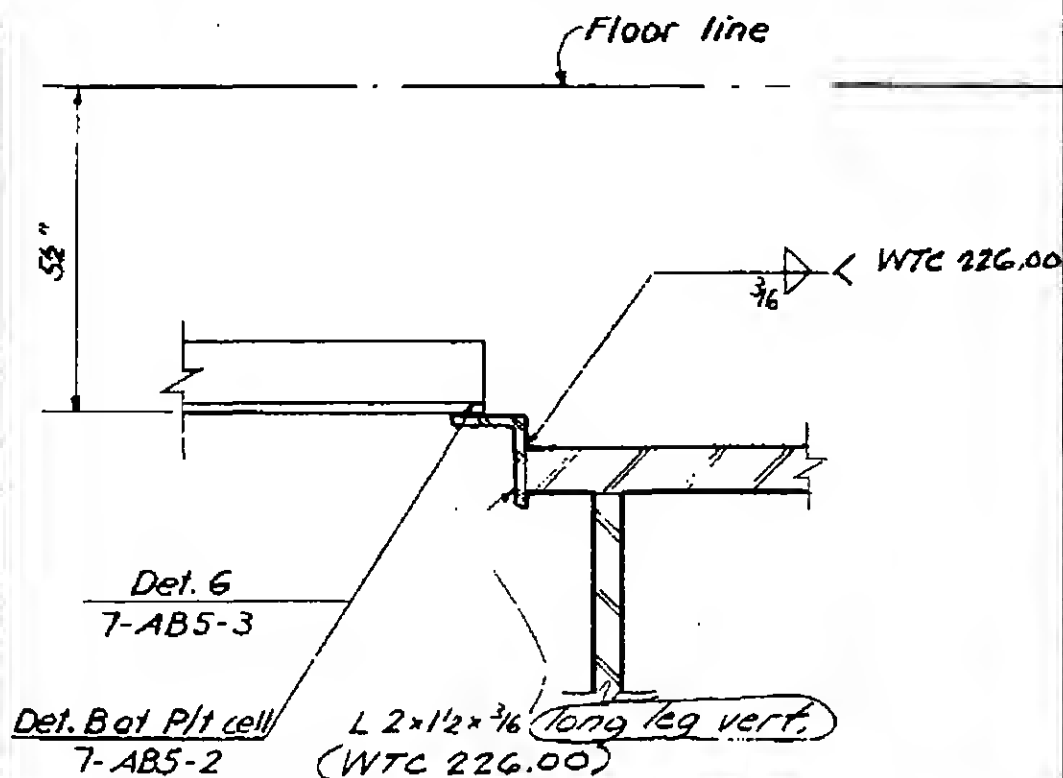
TITLE

STEEL DECK - SECTIONS U-X

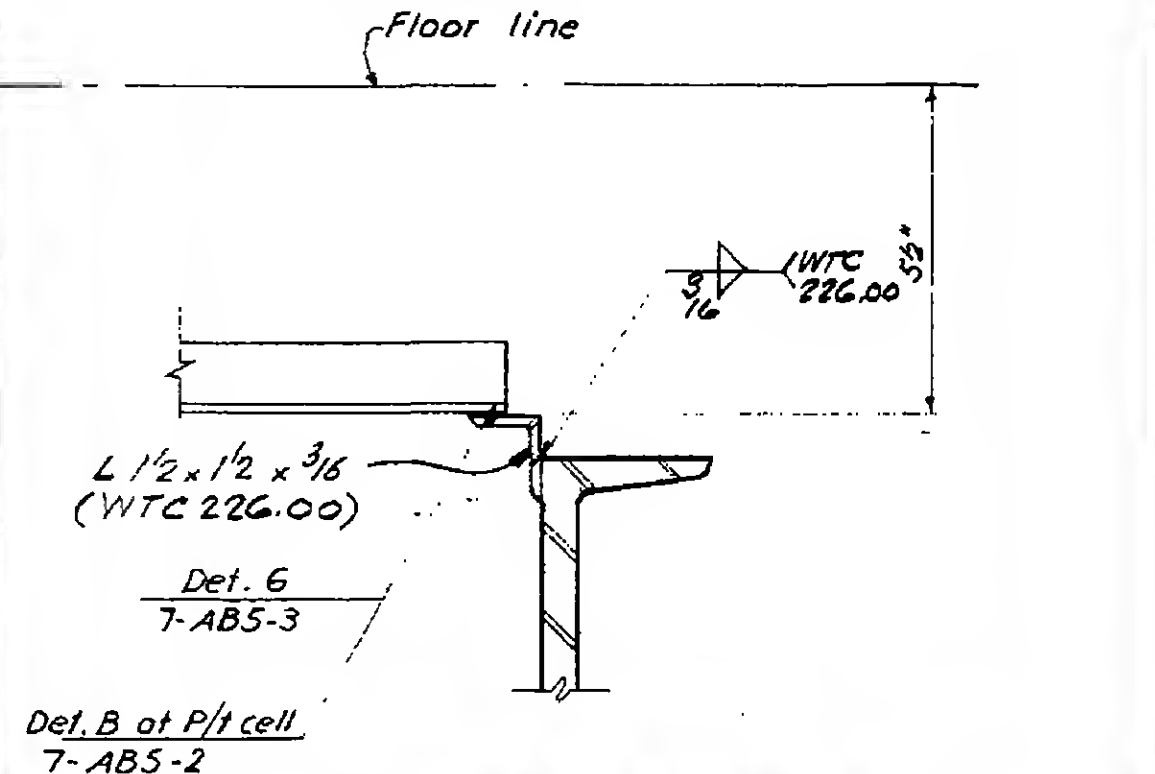
DATE

11-6-67

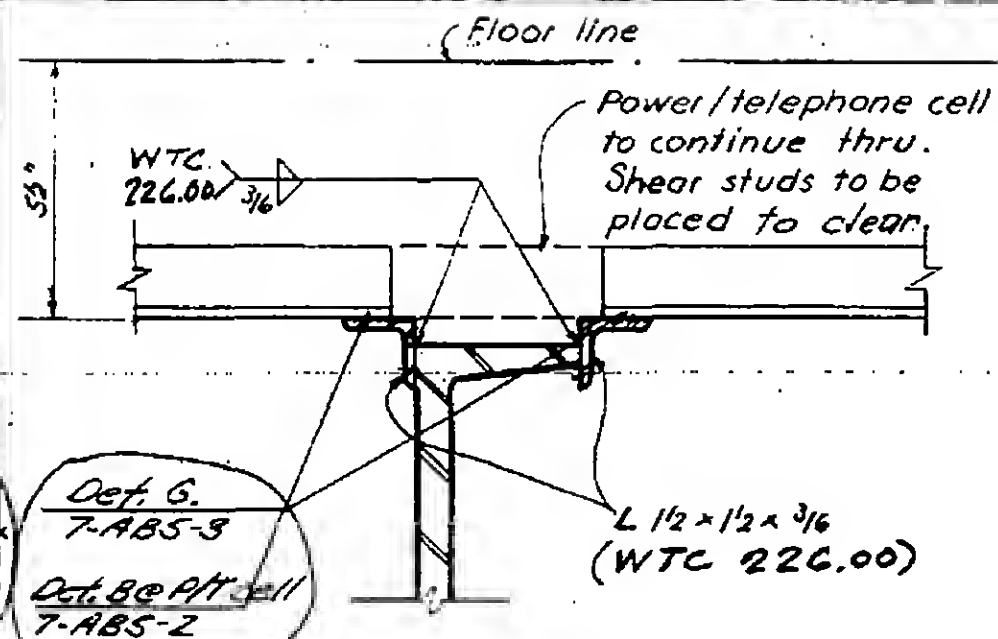
REVISIONS

11-24-67
6-17-68

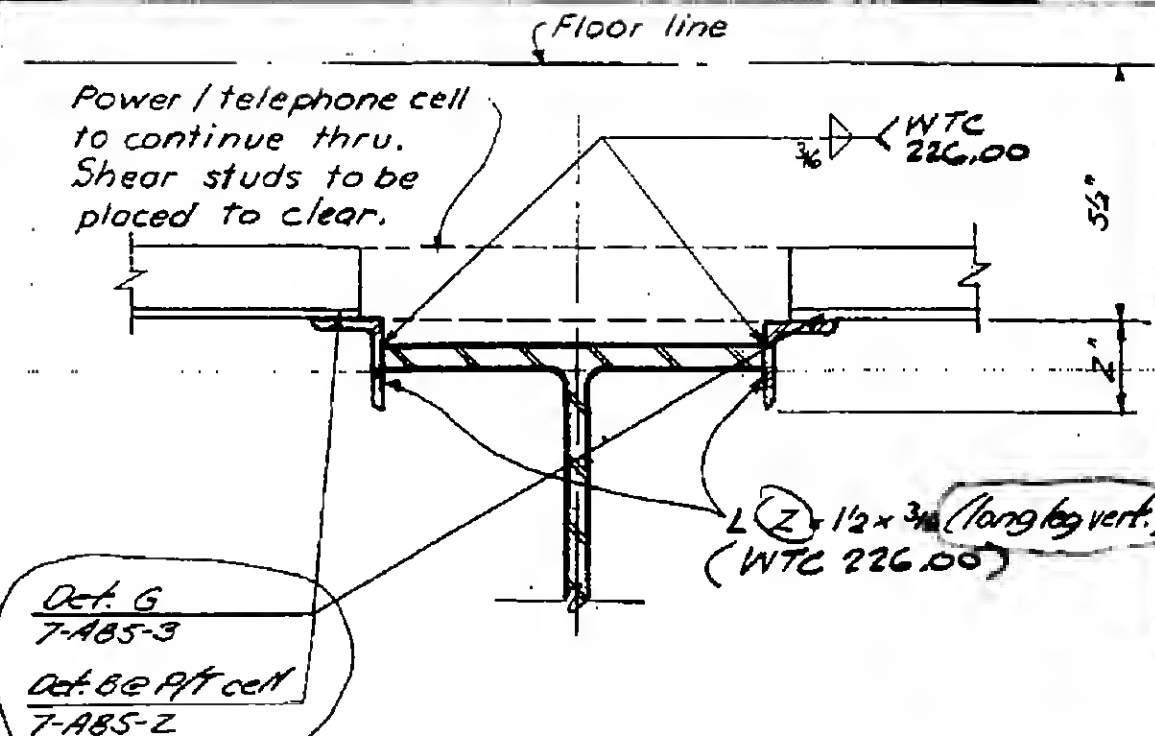
Section U-U



Section V-V



Section W-W



Section X-X



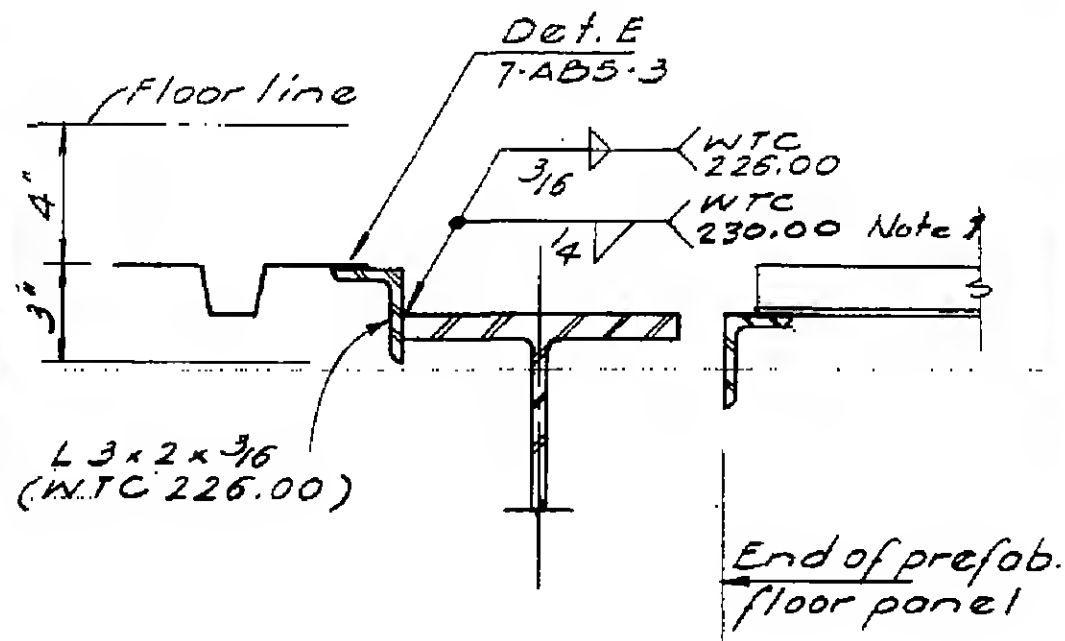
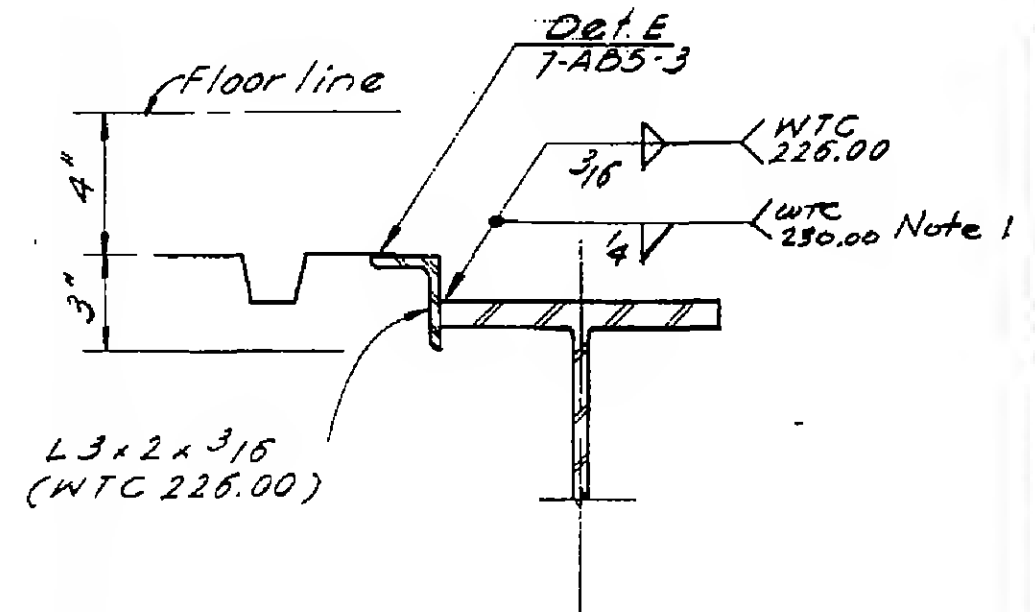
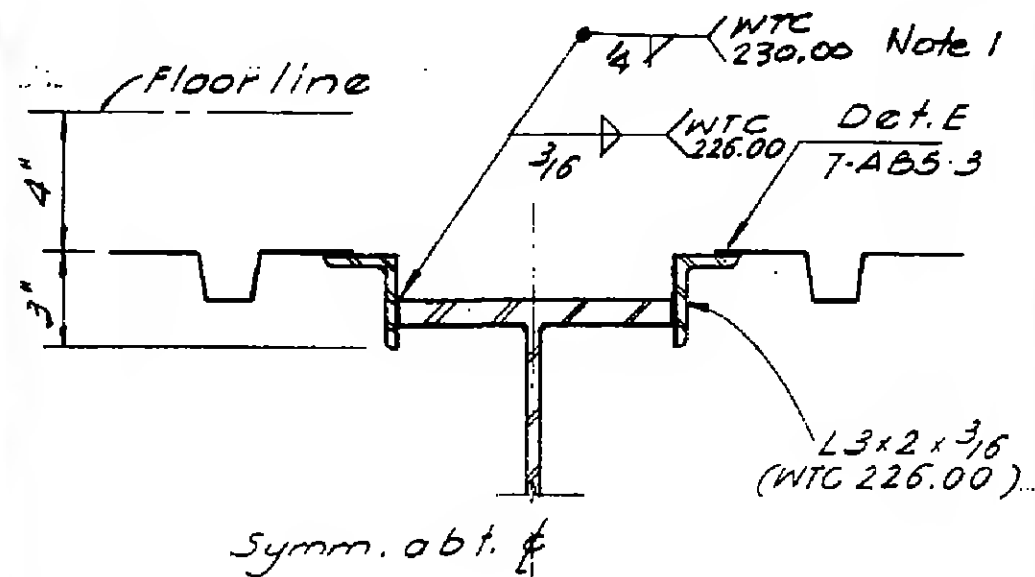
7-ABS-8.1

PROJECT THE WORLD TRADE CENTER

TITLE STEEL DECK-SECTIONS Y, YY & Z

DATE 6-17-68

REVISIONS



Note 1. Field weld by WTC 230.00
for beams already fabricated



7-AB5-3.2

SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

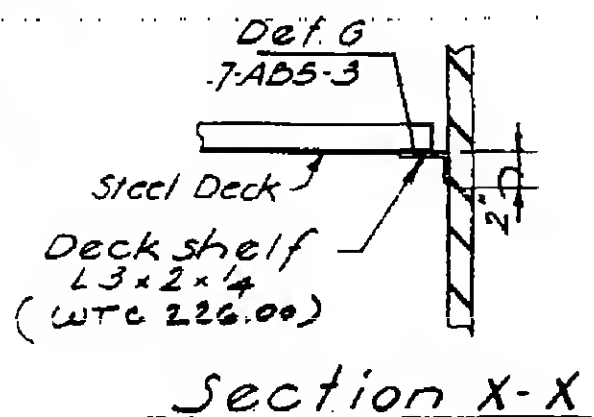
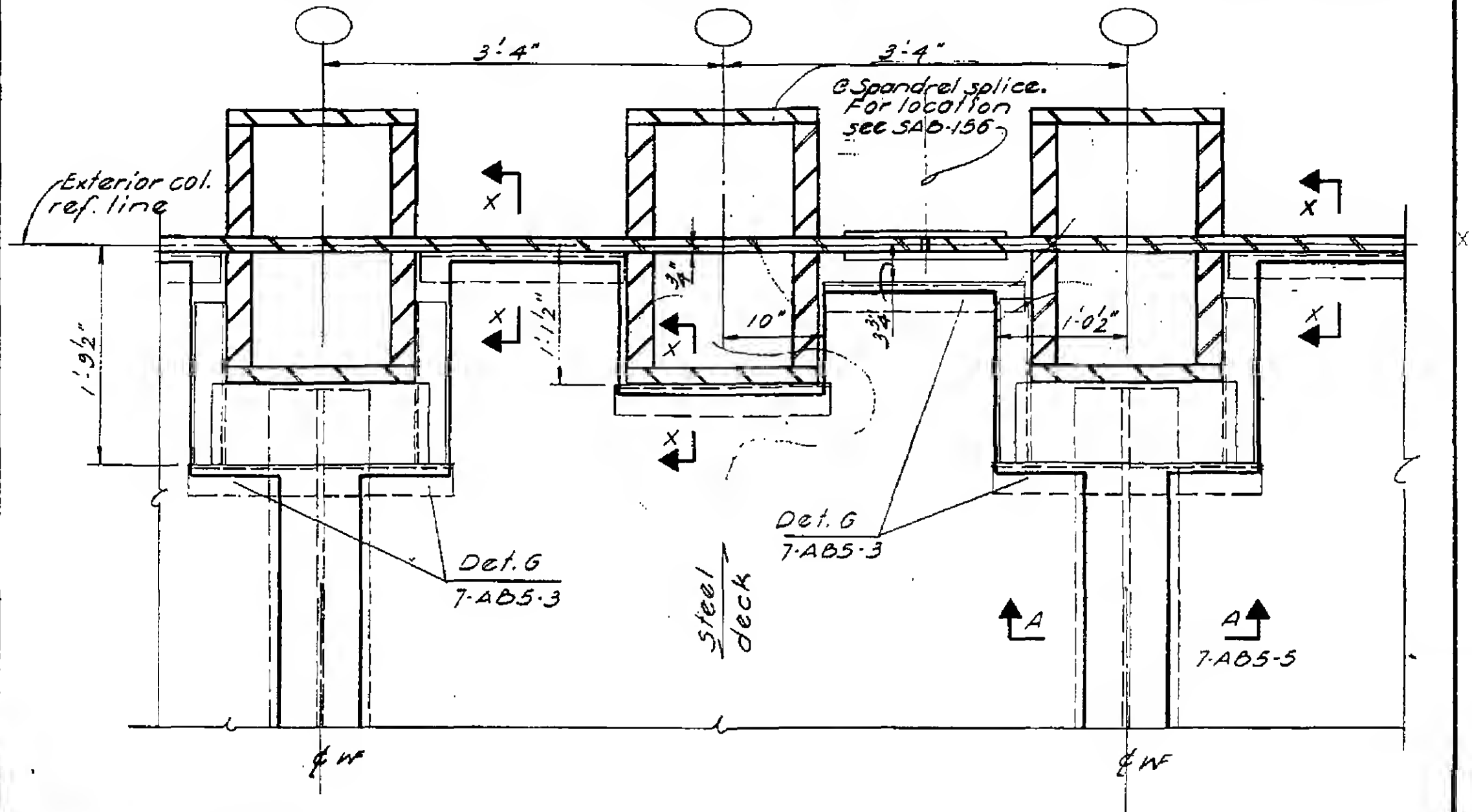
TITLE STEEL DECK - DETAIL K

DATE 10-18-67

REVISIONS

11-24-67

6-17-68



7-AB5-9

PROJECT THE WORLD TRADE CENTER

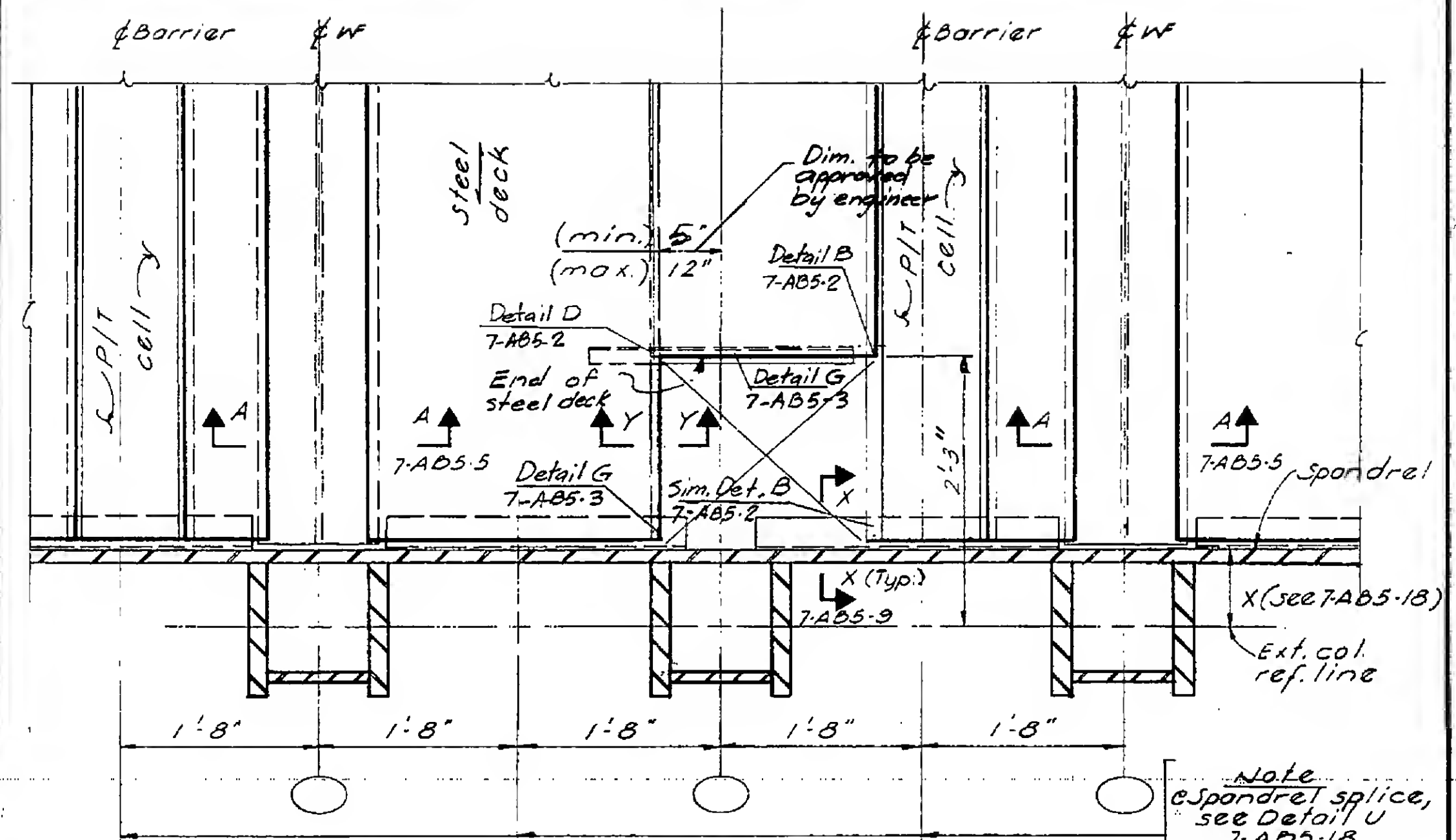
TITLE STEEL DECK - DETAIL M

DATE 10-18-67

REVISIONS

11-24-67

6-17-68



22 ga. Galv. 1/2" steel deck
 16 ga. R. with sleeves by others
 6.8" 6.8" 1/2" cut must be at valley

Section Y-Y

7-AB5-10



SKILLING - HELLE - CHRISTIANSEN - ROBERTSON

Structural & Civil Engineers

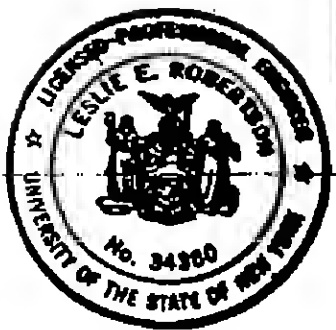
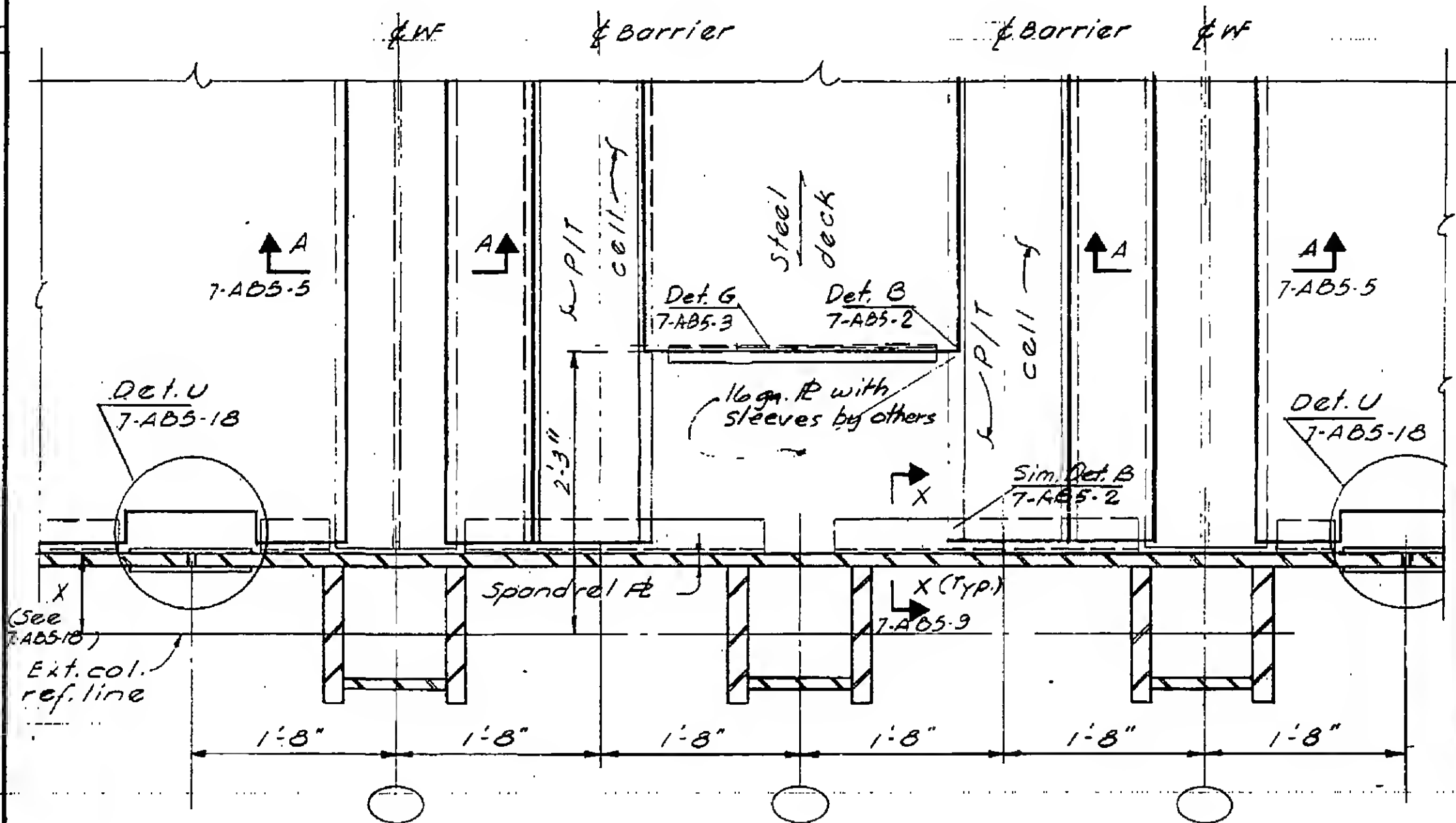
PROJECT *THE WORLD TRADE CENTER* TITLE *STEEL DECK - DETAIL N*

DATE 10-18-67

REVISIONS

11-24-67

6-17-68



7-ABS-11

Structural & Civil Engineers

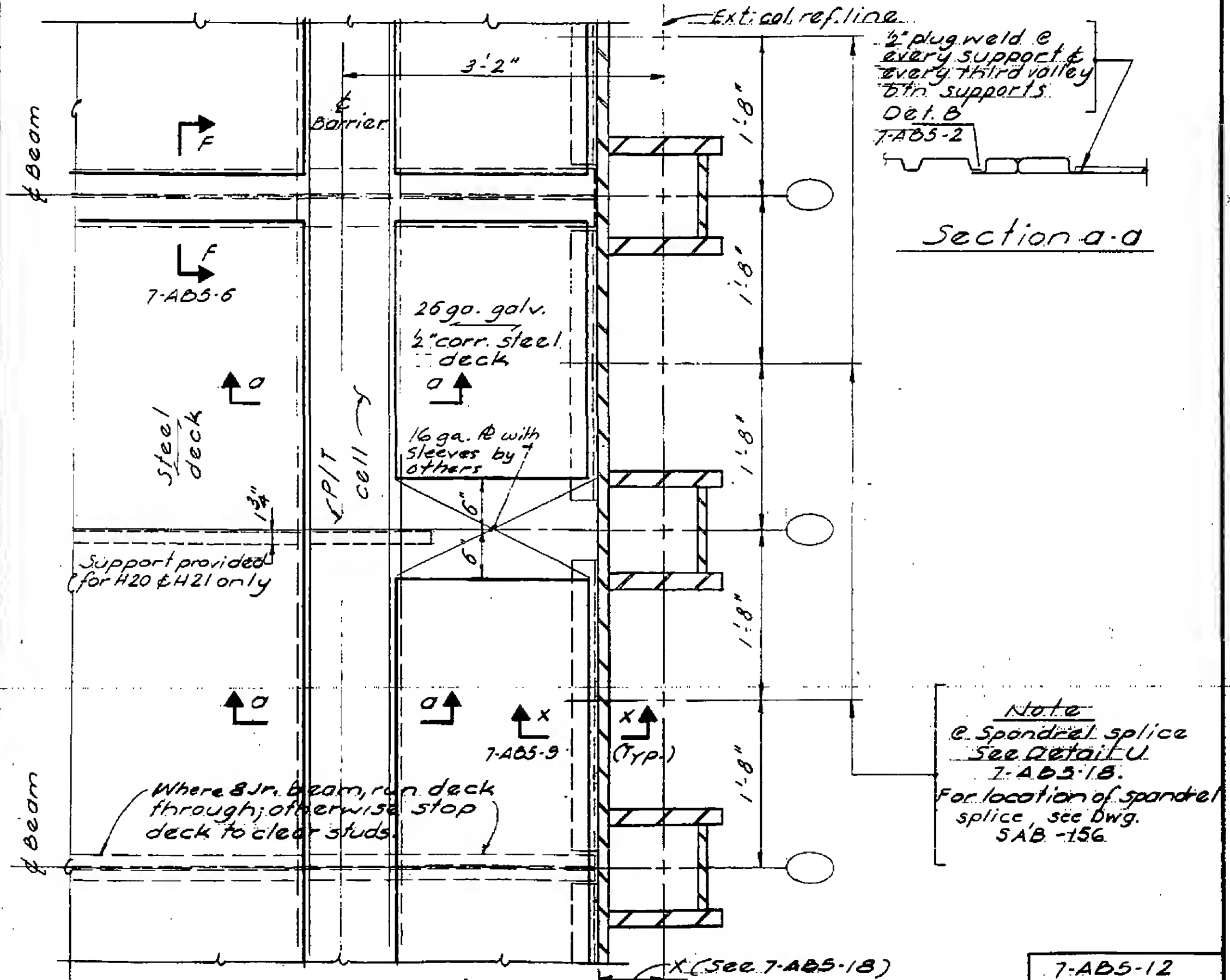
TITLE STEEL DECK - DETAIL F

DATE 10-18-67

REVISIONS

11-24-67

6-17-68



PROJECT THE WORLD TRADE CENTER

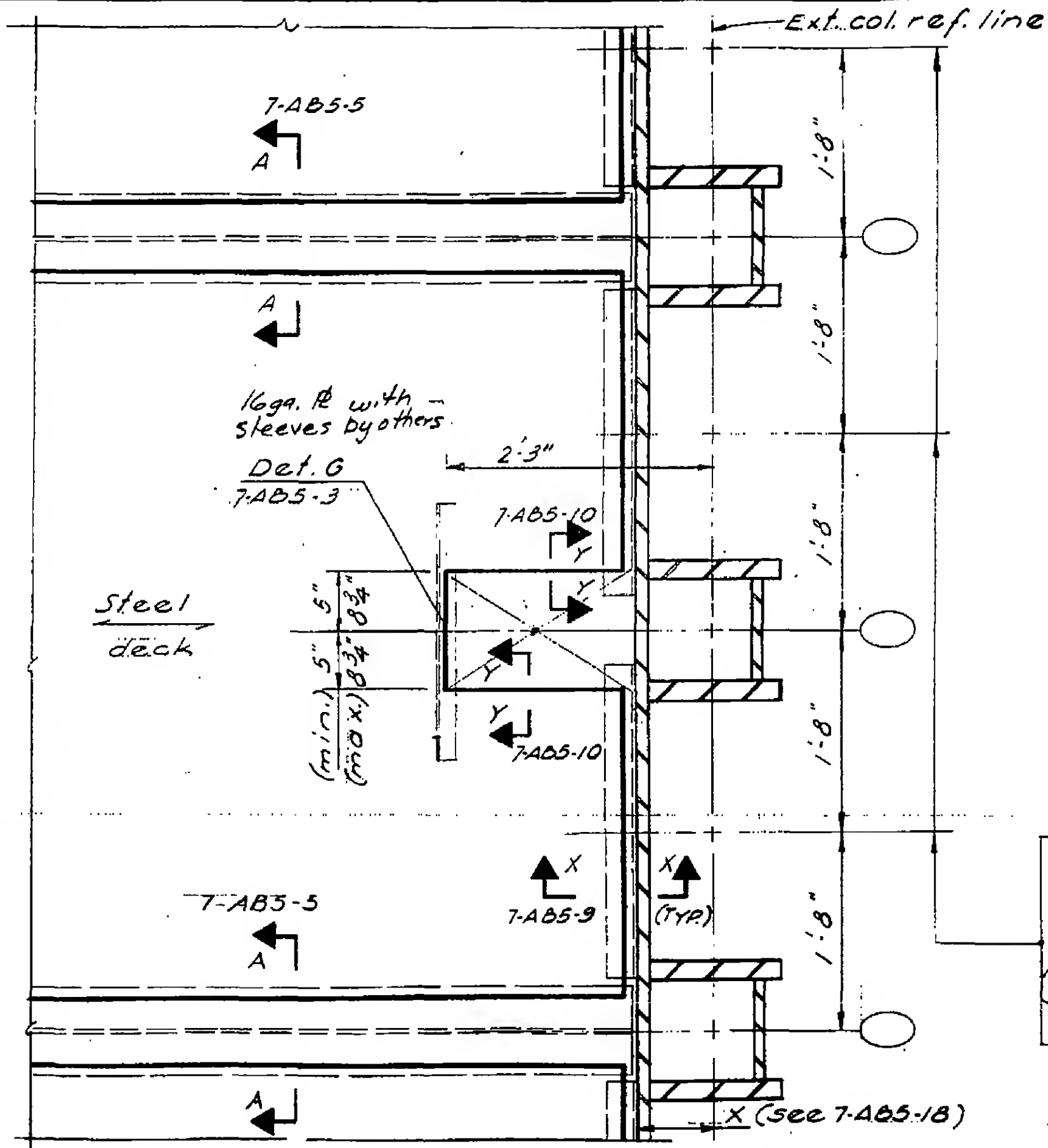
TITLE STEEL DECK - DETAIL Q

DATE 10-18-67

REVISIONS

11-24-67

6-17-68



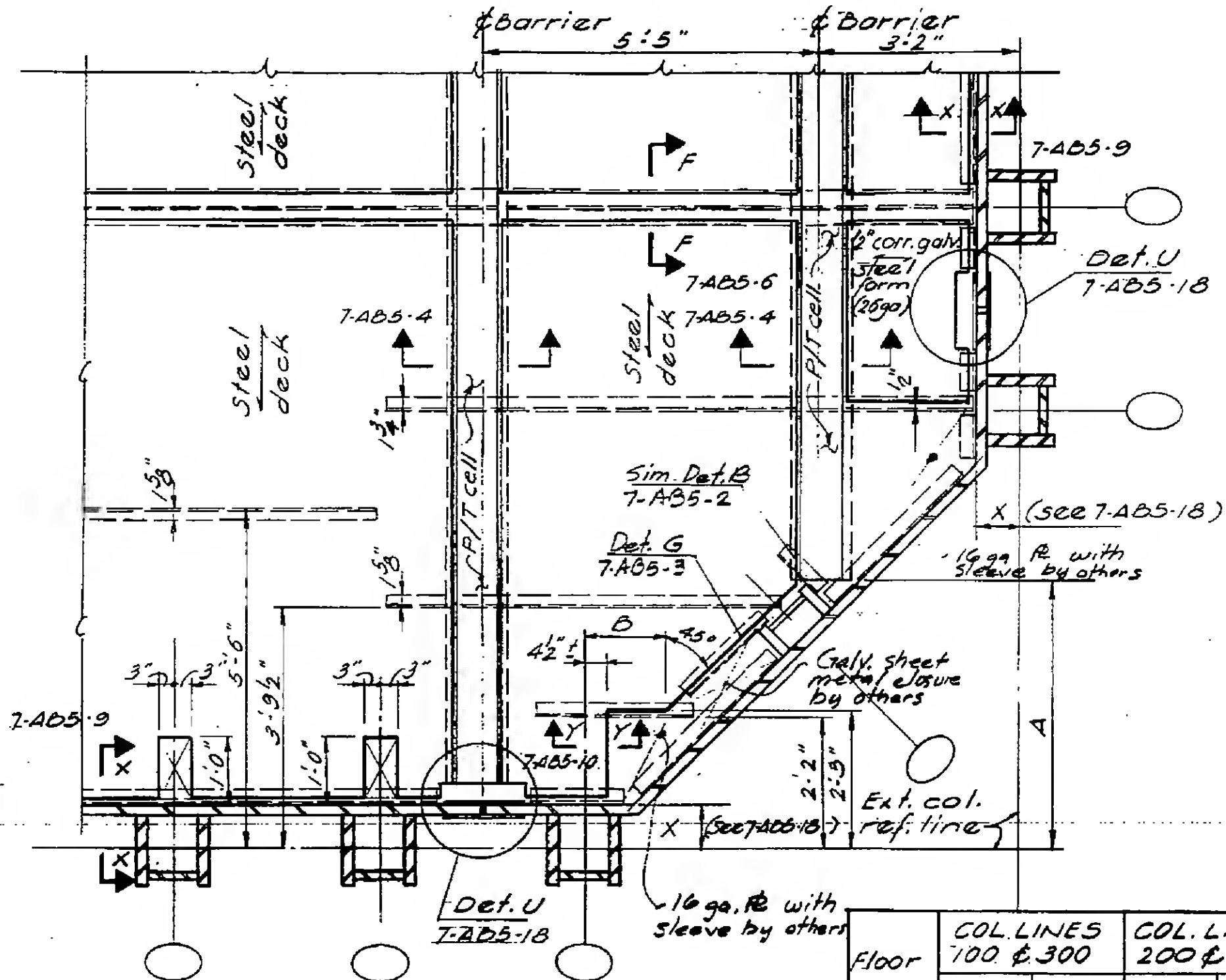
7-AB5-13



REVISIONS

11-24-67

6-17-68



Floor	COL. LINES 100 & 300		COL. LINES 200 & 400	
	A	B	A	B
9	4'-5"	1'-8"	4'-3"	1'-8"
43	4'-3"	1'-7"	4'-5½"	1'-7"
77	4'-5½"	1'-7"	4'-3"	1'-7"
107	4'-3"	1'-7"	4'-5½"	1'-7"

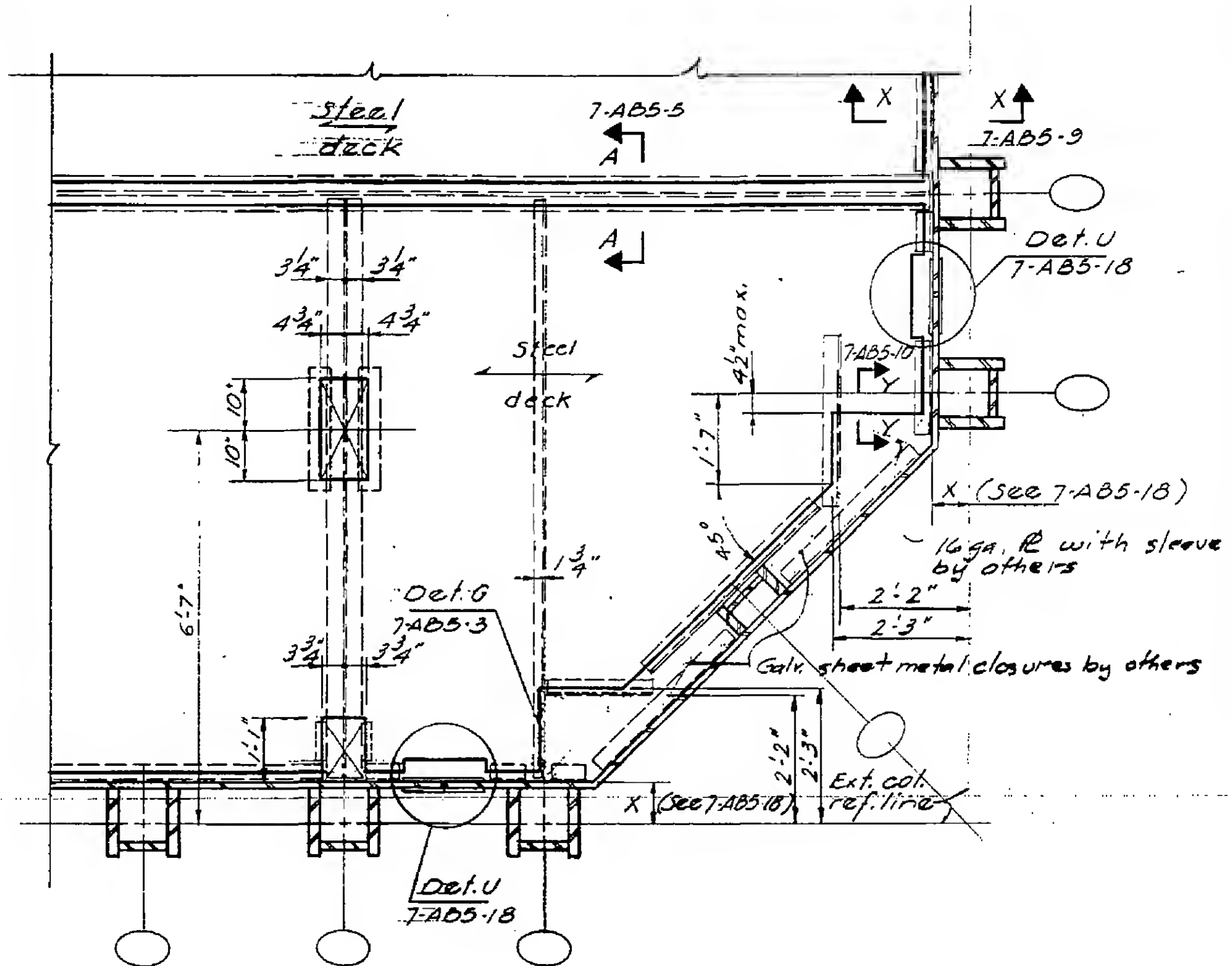
7-AB5-14.



REVISIONS

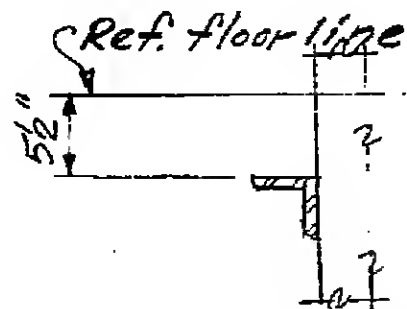
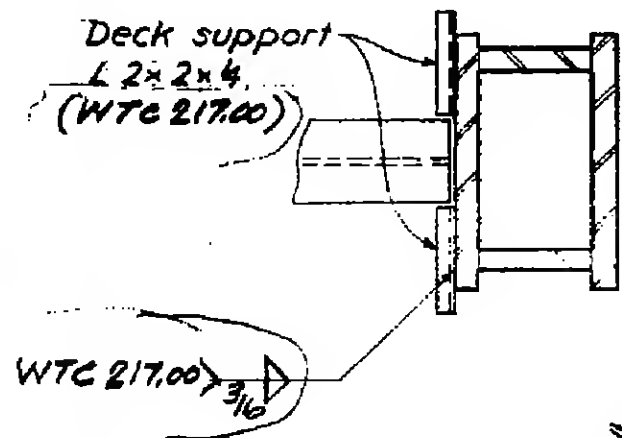
11-24-67

6-17-68



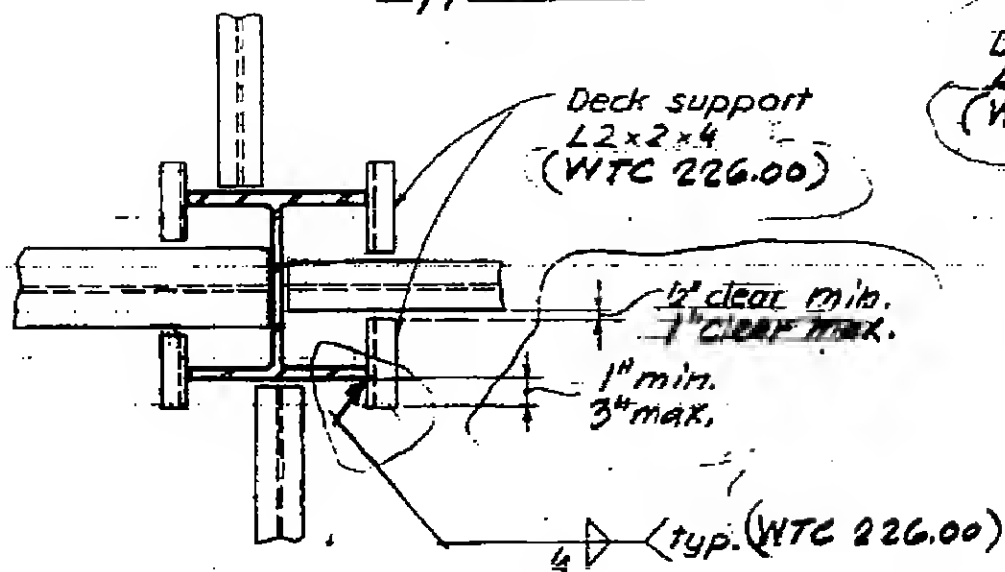
REVISIONS

11-24-67

Typical Section

Deck support
L2x2x4
(WTC 217.00)

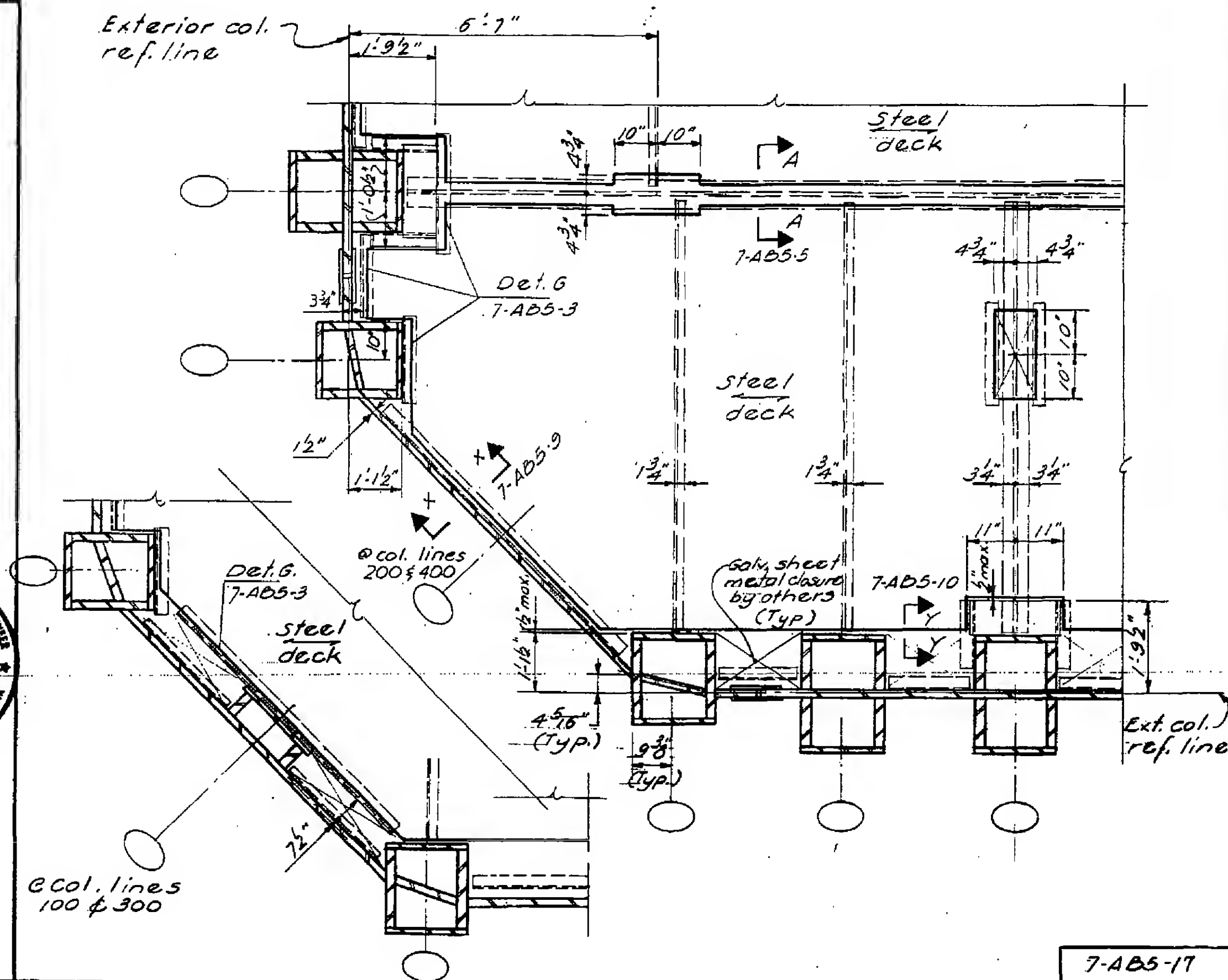
$\frac{3}{16}$ " WTC 217.00



Deck support
L2x2x4
(WTC 226.00)



REVISIONS

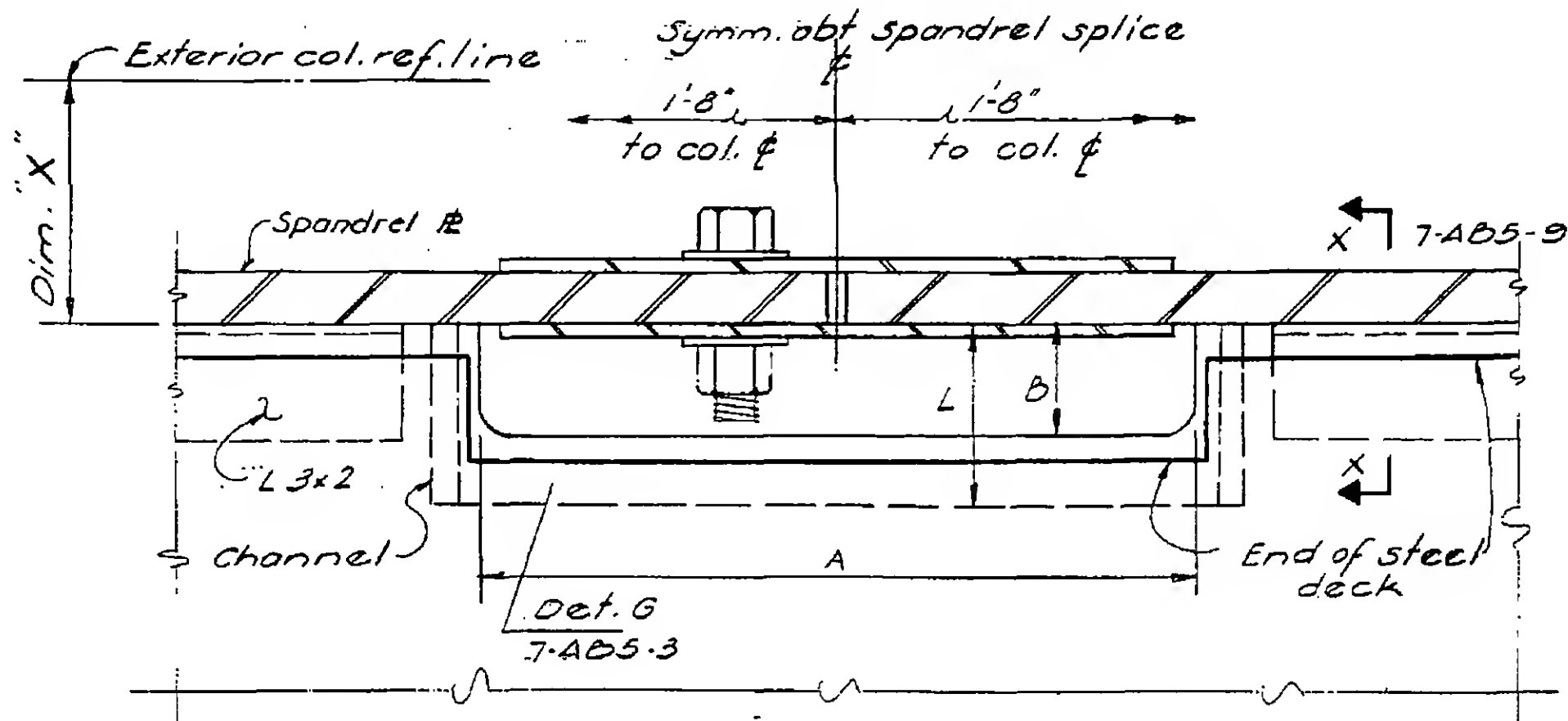
Exterior col.
ref. line

PROJECT THE WORLD TRADE CENTER

TITLE STEEL DECK - "DETAIL U"

DATE 6-17-68

REVISIONS



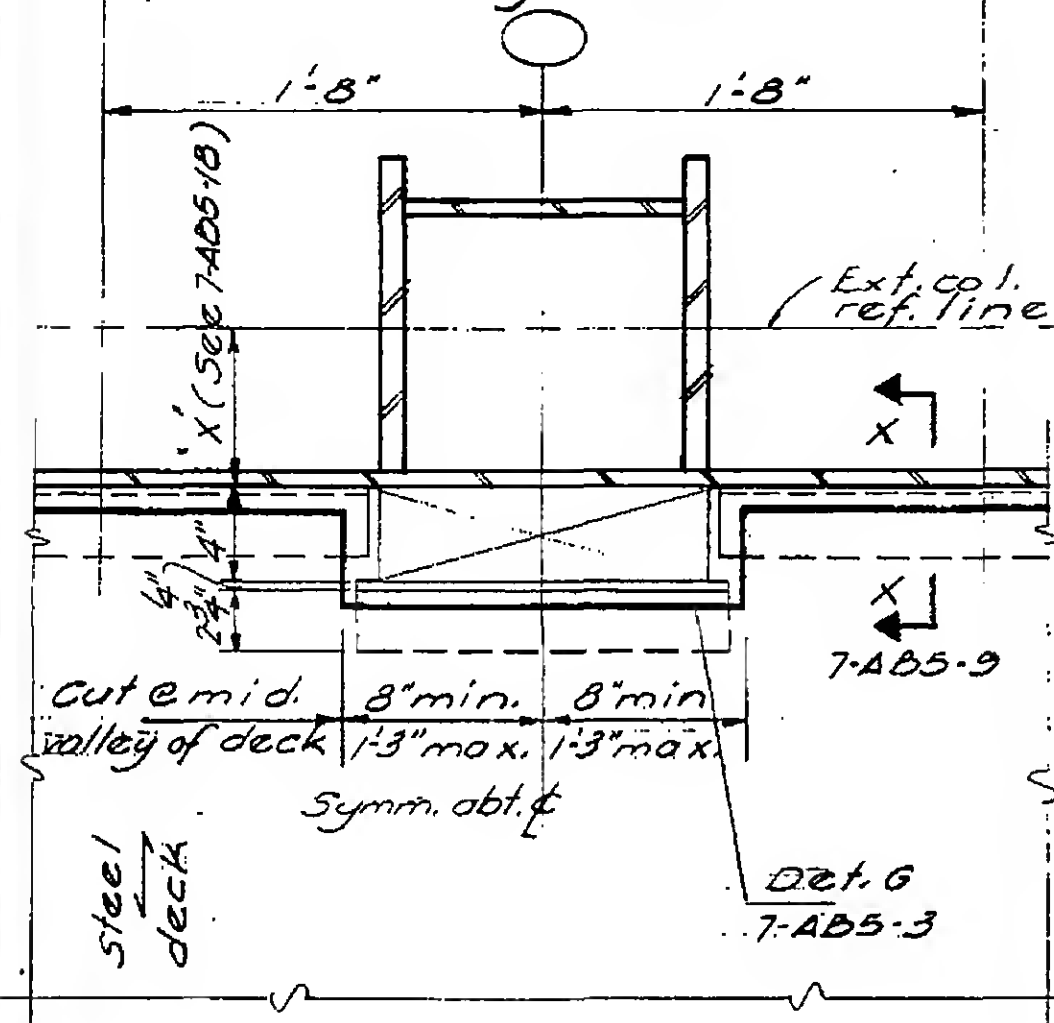
Floor	Dim. "X"	Channel		Cut	
		Size	Length (L)	A	B
9	7'8"	18n42.7	4'3/4"	15'8"	2'3/4"
41, 43	7'16"				
44 TO 48	7'8"	15n33.9	4'3/4"	10"	2'3/4"
49	7'5/16"				
75, 77	7'1/16"				
78 TO 83	6'5/16"	15n33.9	4'3/8"	8"	2'3/8"
84 & UP	6'7/8"				



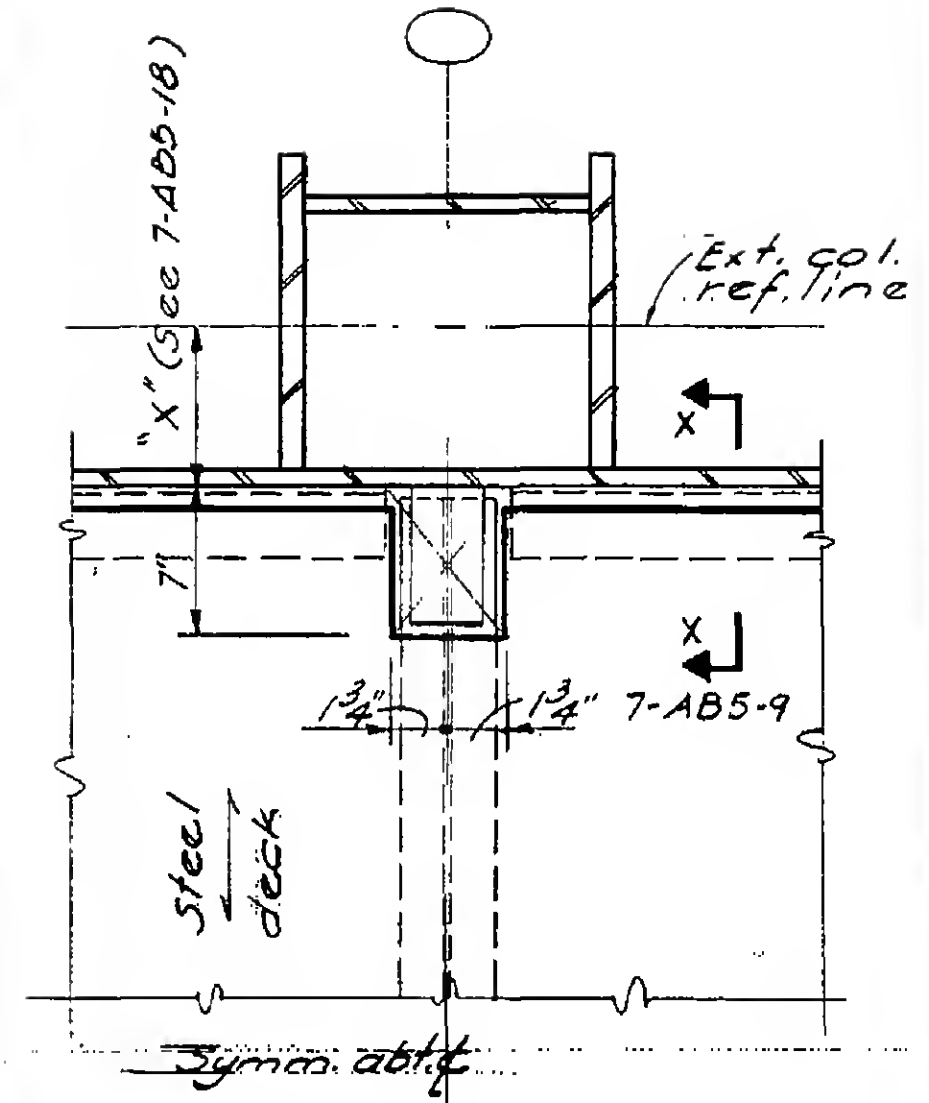
7-AB5-18

REVISIONS

Note: @ Spandrel splice, see Detail-U
7-AB5-18. For location of spandrel
splice, see Dwg. SAB-156



Detail V



Detail W



7-AB5-19

PROJECT

THE WORLD TRADE CENTER

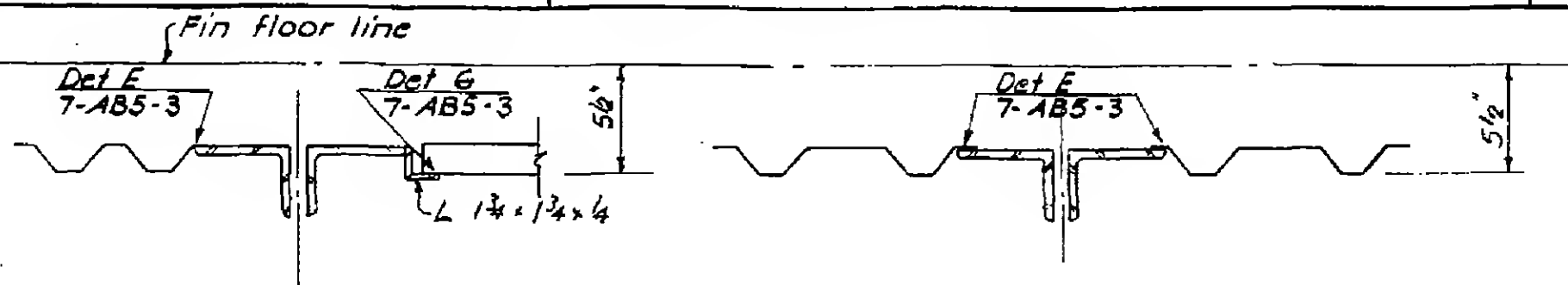
TITLE

STEEL DECK SECTIONS

DATE

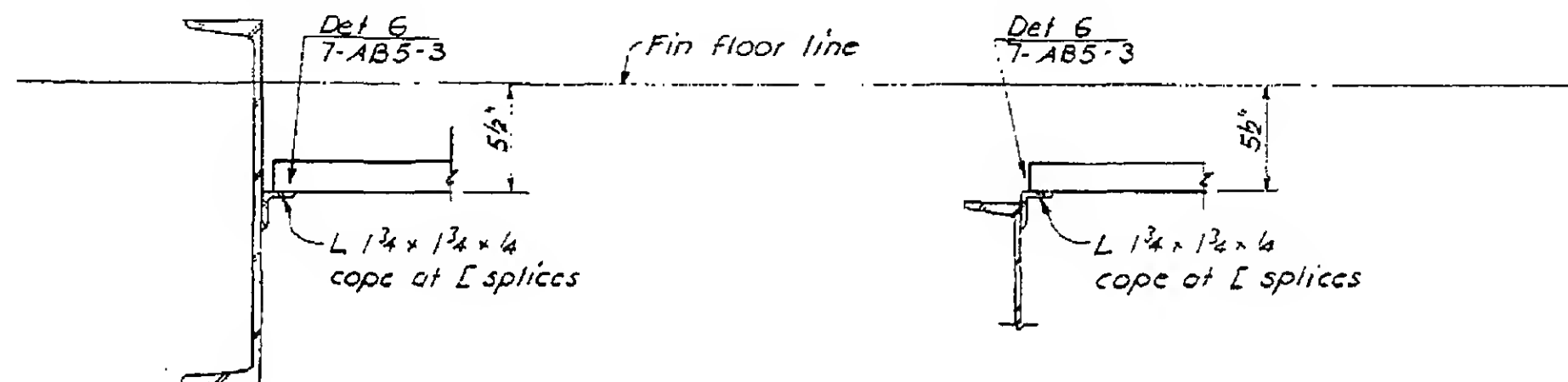
3-28-69

REVISIONS



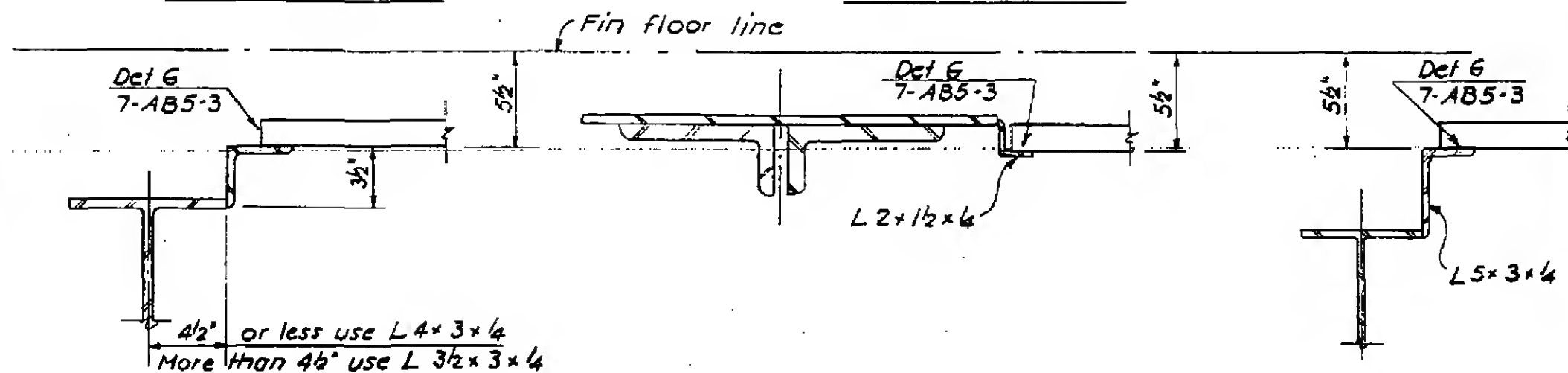
Section A A - A A

Section B B - B B



Section C C - C C

Section E E - E E



Section X - X

Section Y - Y

Section Z - Z



DESIGNED
F. Smith
DRAWN
F. Smith
REVIEWED
F. Smith

7-AB5-20

PROJECT THE WORLD TRADE CENTER

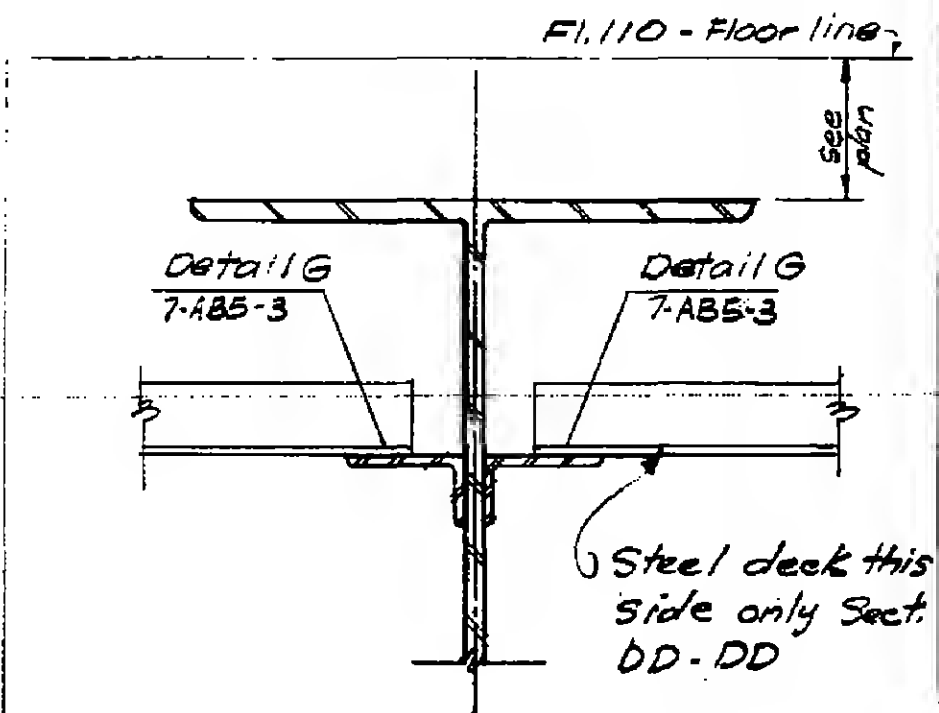
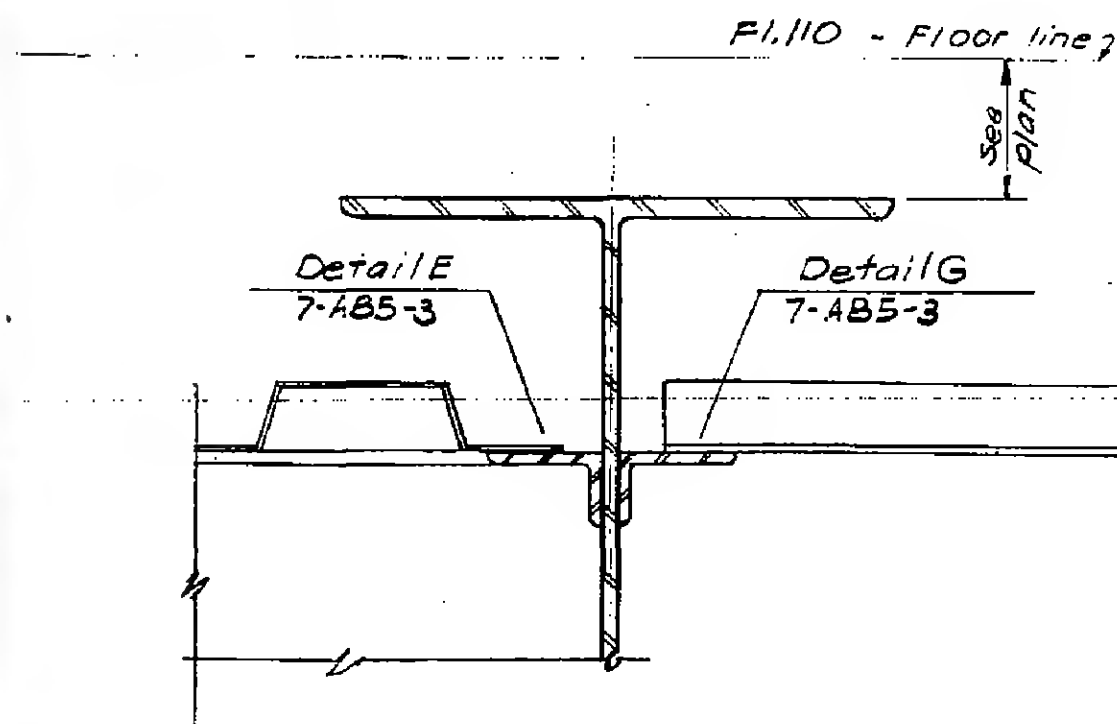
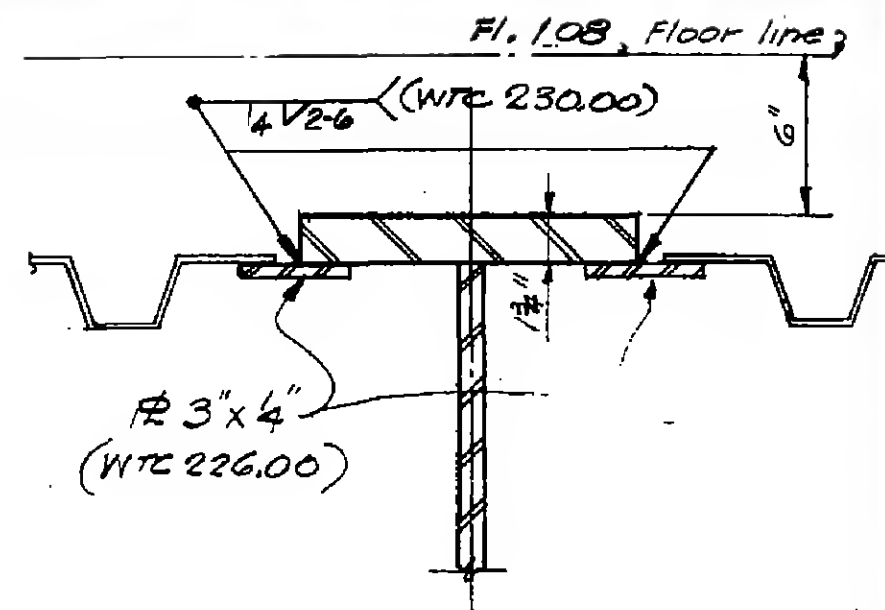
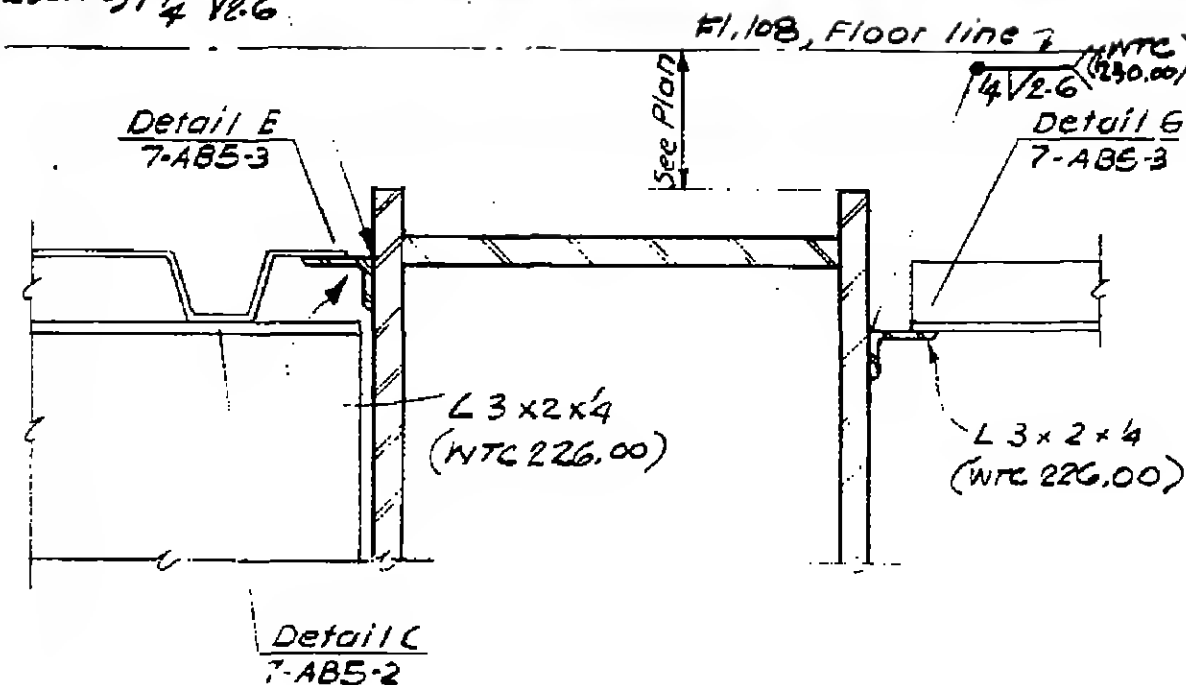
TITLE STEEL DECK SECTIONS

DATE 9-1-70

REVISIONS

9/8/70

(WTC 230.00) 1/4 V2.6



Section DD-DD

as noted

7-AB5-21

DESIGNED

DRAWN
F. Smith

REVIEWED

Office

SKILLING, HELLE, CHRISTIANSEN, ROBERTSON

Structural & Civil Engineers

PROJECT THE WORLD TRADE CENTER

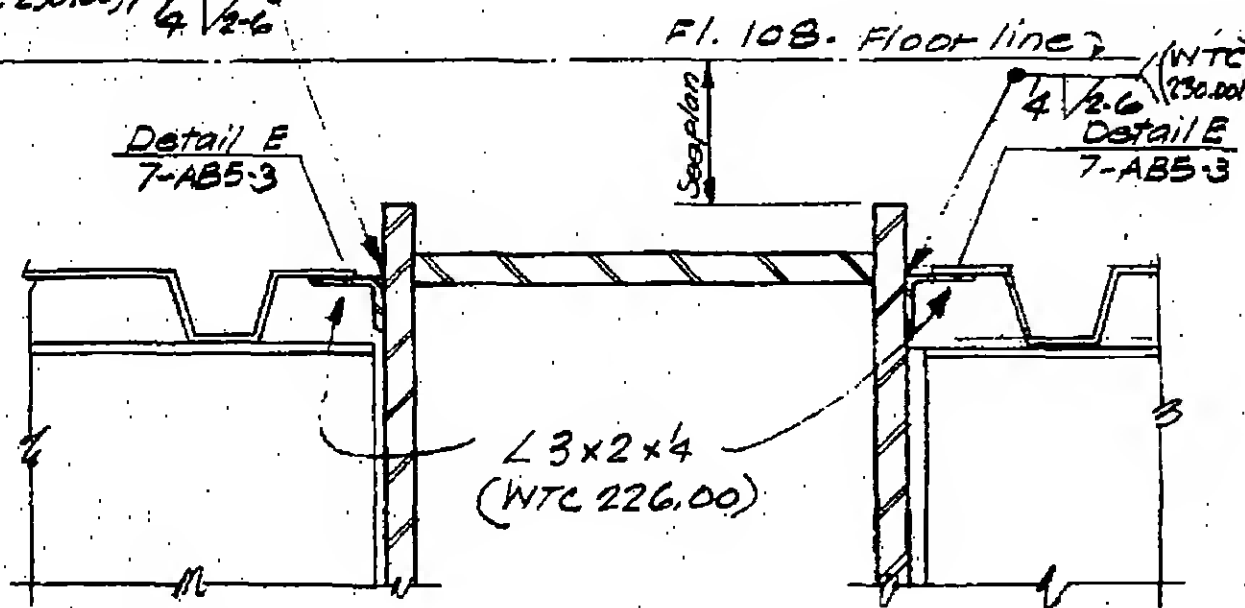
TITLE STEEL DECK SECTIONS

DATE 9-1-70

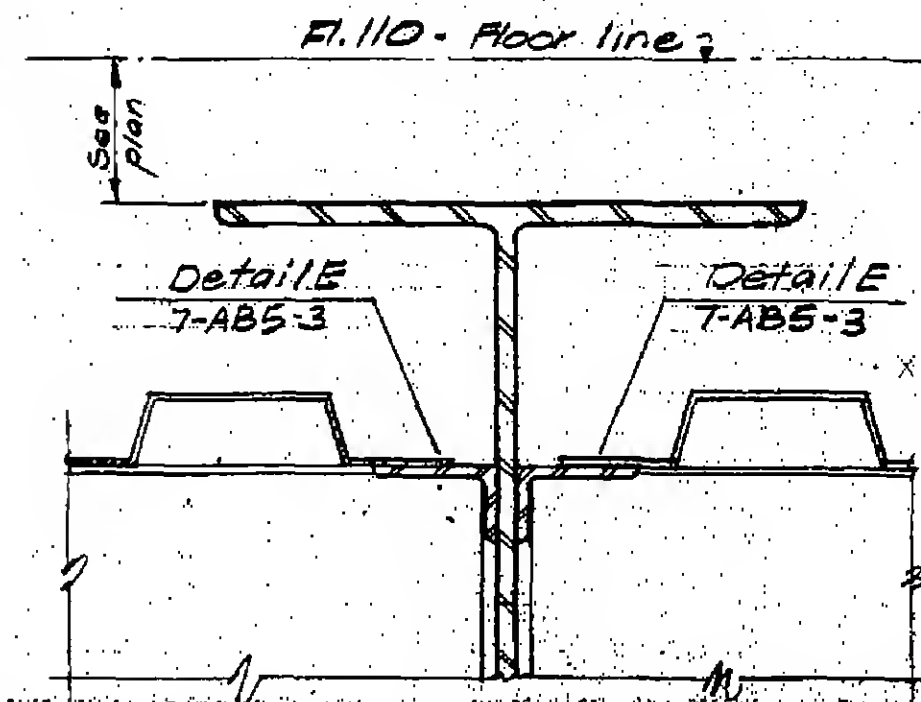
REVISIONS

9/8/70

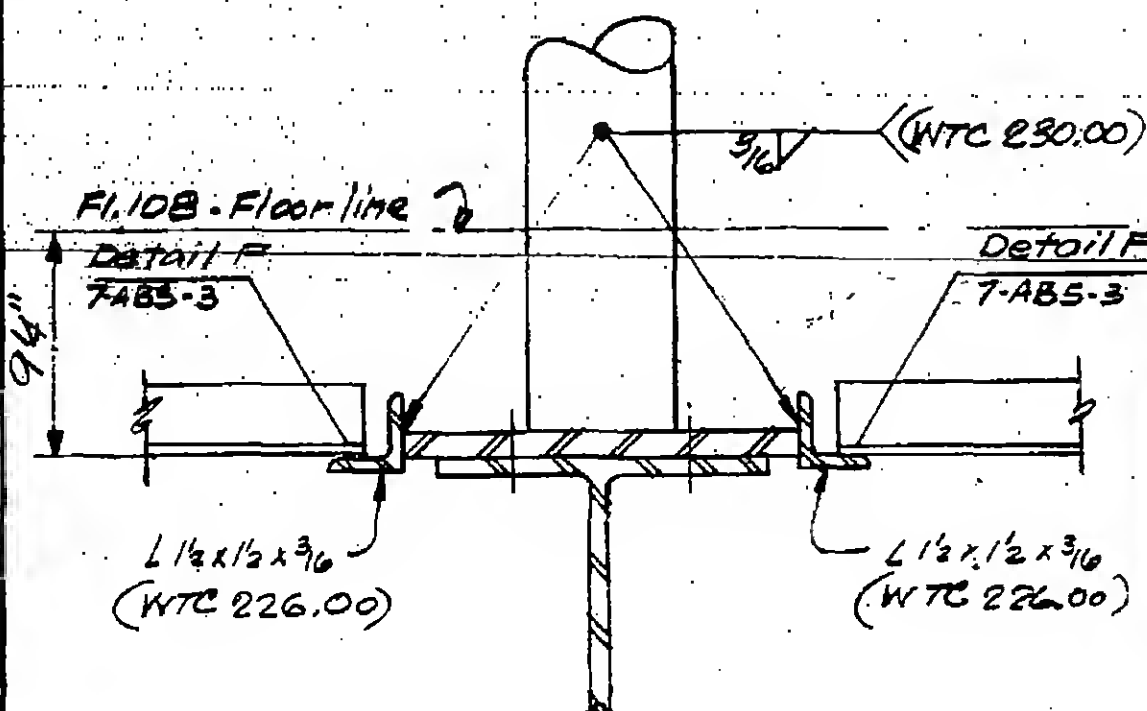
(WTC 230.00) 4 1/2 x 6



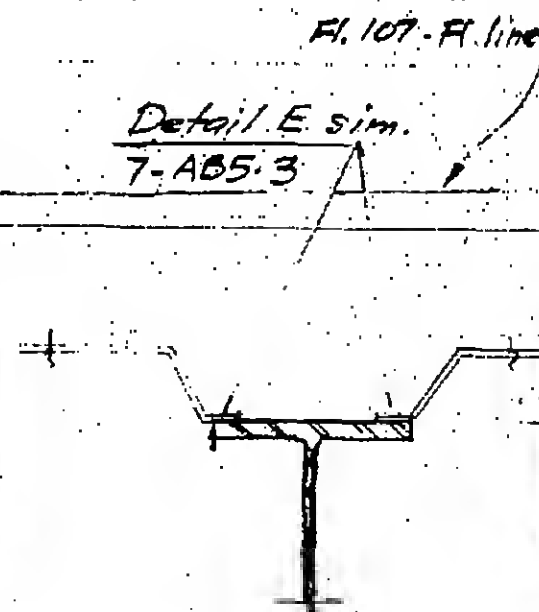
Section E-E



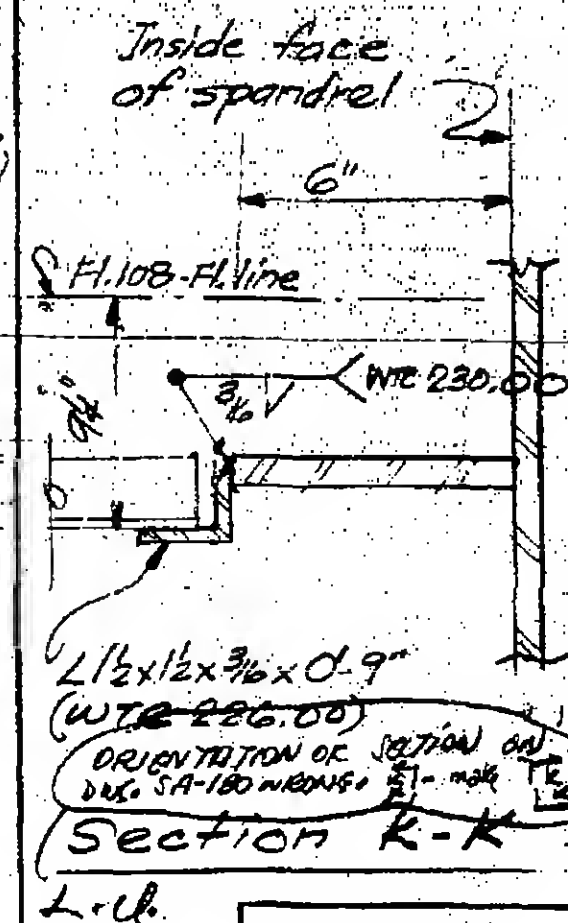
Section F-F



Section G-G



Section H-H



Section K-K



SIGNED

DRAWN P. Ochs

REVIEWED

7-AB5-22

PROJECT THE WORLD TRADE CENTER

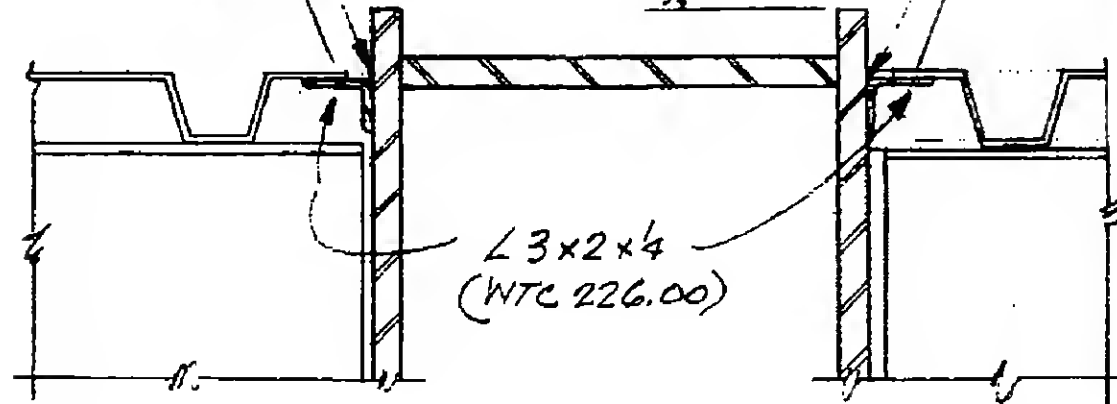
TITLE STEEL DECK SECTIONS

DATE 9-1-70

REVISIONS

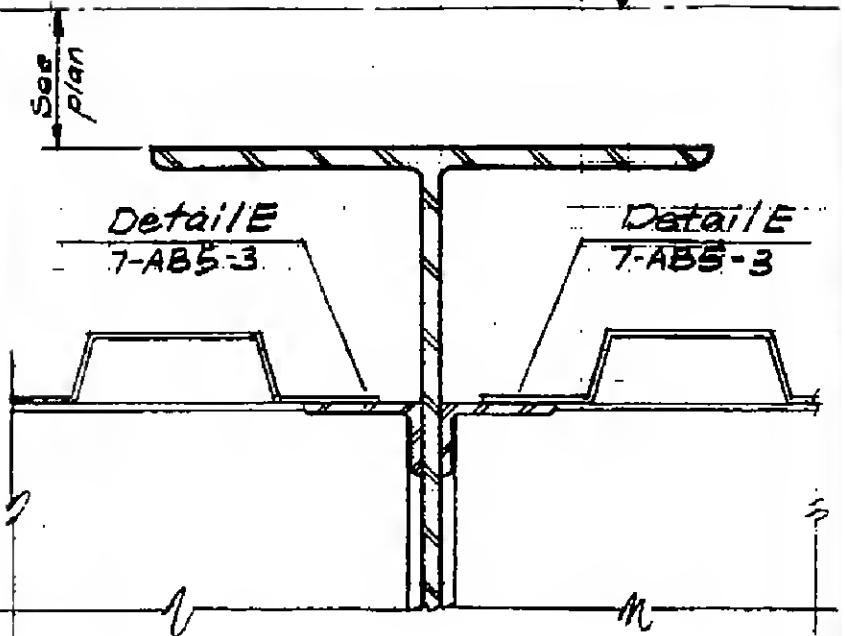
9/8/70

(WTC 230.00) 4 1/2 x 1/2

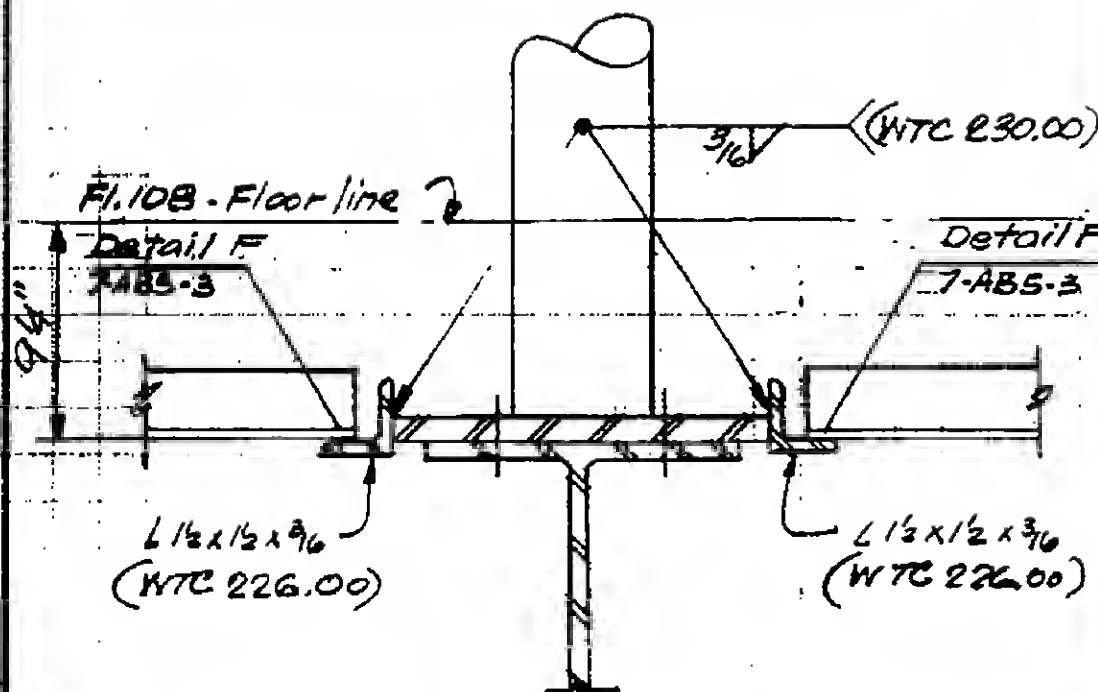
Detail E
7-ABS-3

Section E-E

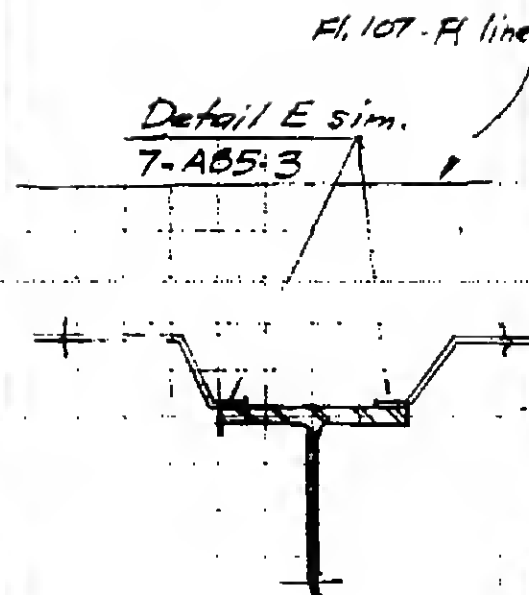
Fl. 110 - Floor line



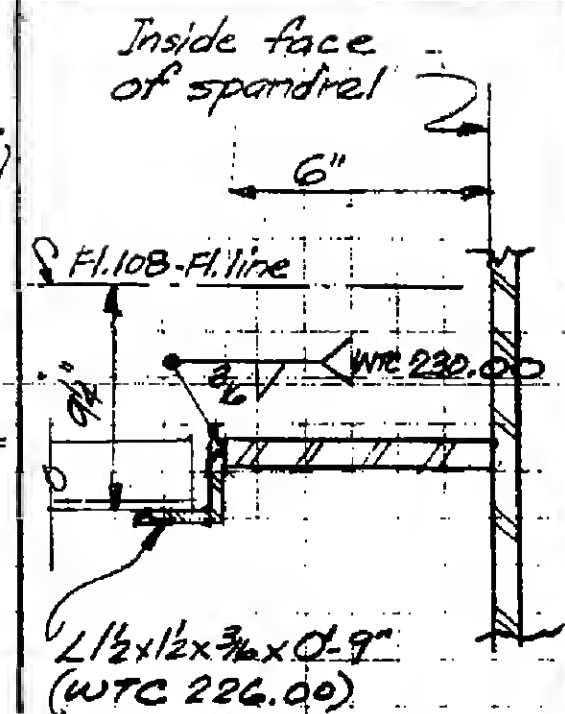
Section F-F



Section G-G



Section H-H



Section K-K

7-ABS-22



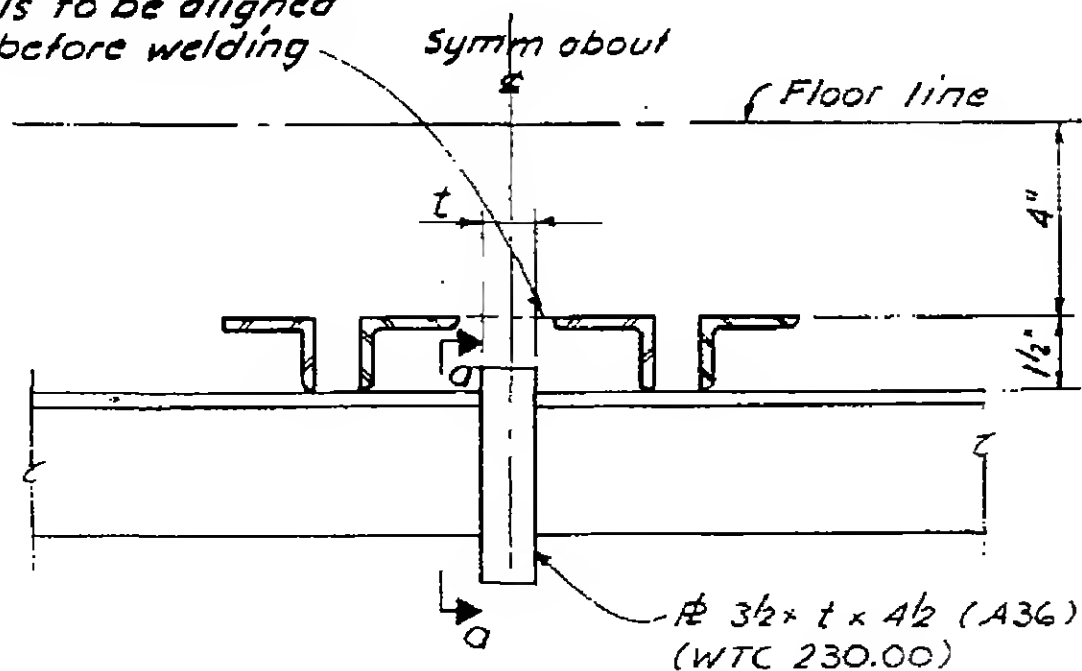
DESIGNED

DRAWN
P. Oaki

REVIEWED

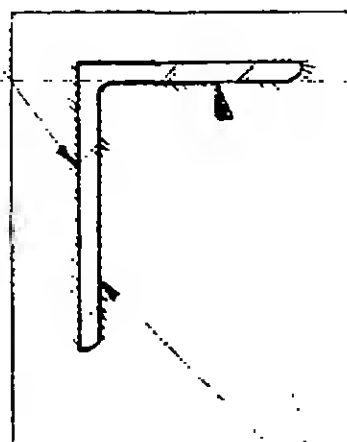
REVISIONS

Note:
Top chords of adjacent
panels to be aligned
vert. before welding



Conn Detail 2-c
Option

E 80xx > 4V

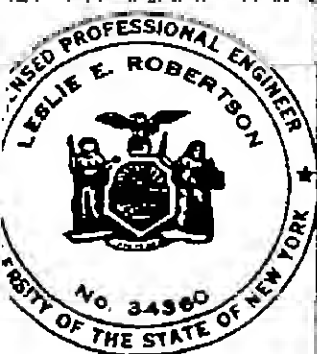


4V < E 80xx

Section a-a

Note:

"t" to be determined
from field measurements.
(t = 1" ±)



SIGNED

H. Robertson

DRAWN

F. Smith

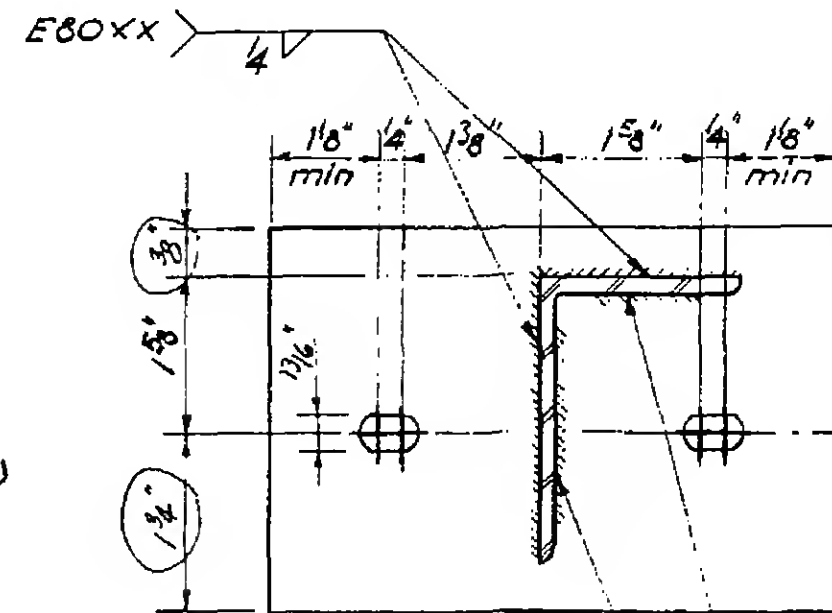
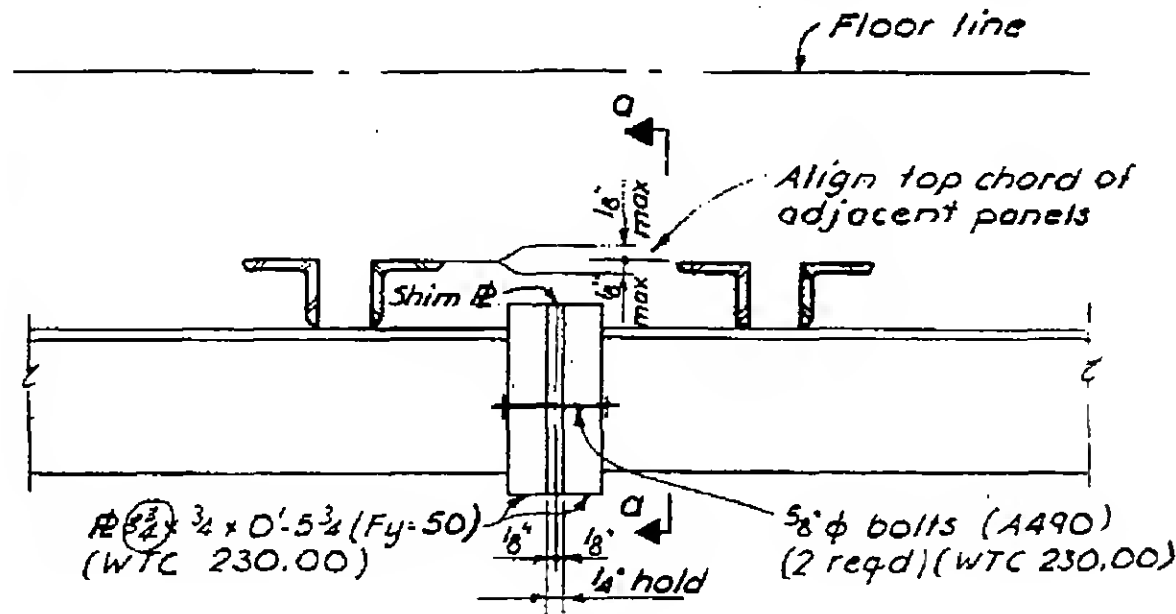
REVIEWED

1/1/69

2-c/1

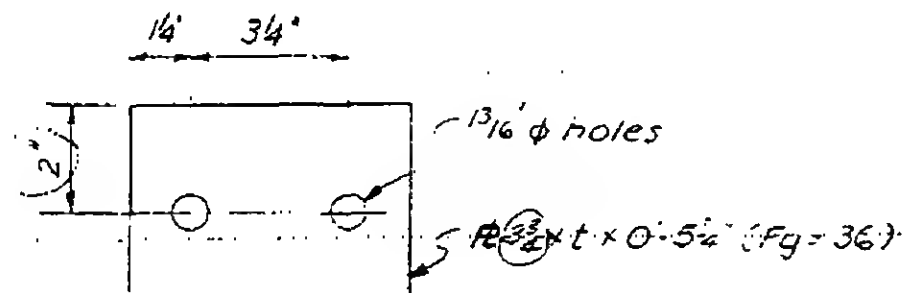
REVISIONS

7/3/69



Conn Detail 2-c

Field bolted option



Typ Shim Stock

1/4 V1 E80XX

1/4 V2 E80XX

Section a-a

Notes:

1. Provide hardened washers under both bolt head and nut.
2. Provide shim stock in both 3/16" and 1/8" nominal sizes.

NEO

DRAWN
F. Smith

REVIEWED

J. Brown